

gtctcttcag ggtccctcgag

140

&lt;210&gt; 626

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 626

```

gaattcgagg ccgcgtcgac cctttattca gacctcact gctttgtacc tggactactg 60
taacacctcc ctgtctgatt gaactctagt catctgttac actgagggtga gattaaattt 120
gctaaacaca gtaattttgt accactcttt agcccccatt taactagttc tcatagctgc 180
taaaataaga acaaacctct tagcttttcc aggtcttcca taataatgcc caaacatacc 240
catctcgag                                     249

```

&lt;210&gt; 627

&lt;211&gt; 197

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 627

```

gaattcgagg ccgcgtcgac ttctaaacat ttgtgttga agtgttttaa tattttagt 60
tcacaacatt gatcaagttg gaactcttca ttatcttgaa cagttctatc aaaagtatat 120
tttctgtatt ttcattttgt agcttttctt tgctattctt tgtgagactg aatactctta 180
aaaaggccga gctcgag                                     197

```

&lt;210&gt; 628

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 628

```

gaattcgagg ccgcgtcgac gaagaatact gtgtattatc aaaatggtaa cattgtgttt 60
ccttttgaaa ctgttttctt ttcattcagc attactgttg acatctatcc ttactgatac 120
tttcaagttt gtttcttttg cttatgggat tctactaatt aatccaccac attcgag 178

```

&lt;210&gt; 629

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 629

```

gaattcgagg ccgcgtcgac aacactcctt atgacaagct gccacaaggc aagggcacca 60
gatctcttta gtcaaggcaa gtttctcagc ctgtatactg attatgtttt gggctggata 120
attattttgt gttggggctg tctgtgtat tgcagcgtcc tgggcctttg cccactagat 180
gccaatagca tccctttccc caatgtggca accagaaatt accaaaatgt acctgagagc 240
aaatcctctt ttactttctc catcctctcc gag                                     273

```

&lt;210&gt; 630

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 630

```

gaattcgagg ccgcgtcgac gtattatcaa atcattttgt gaaatcacct cattttaaga 60
tttttaaaac taatgagtgt gagtaaaata catactaatt ttgtcttgaa tttagtatgt 120
ctttctcttt tctttaagtt tgtgcccatt gattattctg tctctataga aatcccaact 180
ataaaaatgta aaccagacaa attcccatct ctcgag                                     216

```

&lt;210&gt; 631

&lt;211&gt; 168

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 631

```

gaattcgcg cgcgctcgac gttctataaa gataaatccc ttctctgccc attttatttt 60
attatatttg cataggggtt ttttaattca atgttttata atccattgca gttctttttg :20
atgtctccat tgrcacagat ttggctggta gtagtctccc cactcgag :68

```

&lt;210&gt; 632

&lt;211&gt; 193

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 632

```

gaattcgcg cgcgctcgac cagtttgatt tttagctcaa attgttgttt aaaataaatt 60
atgaatttga acgtattcag ctatgggttt cctttttatc tgcctctaaa gtgccttagc 120
tacaatagtt tttctctgt tactcttcac tgtaattttt ttttatgaag gaaaatcgct 180
ggagggactc gag :193

```

&lt;210&gt; 633

&lt;211&gt; 211

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 633

```

gaattcgcg cgcgctcgac gaaatataaa aactatgatg ctgcttcttc cttttttttt 60
cttgagacac agtcttactc ttttgcgcag gctgtactgc agtggtggga tctgcactca 120
ctgcaacctc tgcctccgga gtccaagtga ttctctctcc tcagctctcc tagtagctgg 180
aattacaggc atgtgccacc acgacctcga g :211

```

&lt;210&gt; 634

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 634

```

gaattcgcg cgcgctcgac atcatttctt cttcatgctt agtactgcta ccttagtttt 60
gttctctatg atttcttgcc tgtgttatta taatagatcc ctaagtgggc tctttgtcta 120
cattctcacc cctctcattt tctccattg tgccttccag aaggaaactt ctaattgtag 180
atctgattgt gctctctctg gggcacacat cgtatcactg ccaggacagg accaagtacc 240
aagcaacctc gag :253

```

&lt;210&gt; 635

&lt;211&gt; 312

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 635

```

gaattcgcg cgcgctcgac cctggctctg cccaacatga aggaataaaf ttgttacccc 60
attaatagat ctgtctcttt tcttttcaaa cagttctcta tgttacccat quaatctagc 120
tggtgctctg tgggtttctg tctccctctg ctctattctt acttttctta ctctccagg 180
ctcagcaggg agctgcttga tgagaaagag cctgaagtct tgcaggactc actggataga 240
ttttattcaa ctctcttga gtacctggaa ctgctgact tatgccagcc ctacaqaagt 300
gacgaactcg ag :312

```

&lt;210&gt; 636

&lt;211&gt; 168

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 636  
 gaattcgcgg ccgcgtcgac agccagagca atagtaatgt ttatagacca tctttctcat 60  
 aaatgccact gctcactatt gtacatatgt ctttttcaag ttttttggga agacctccct 120  
 cctctgtctac catatttccc taatgtctgt gaaactaagt acctcgag 168

<210> 637  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 637  
 gaattcgcgg ccgcgtcgac gcattgaatc cagggtttttt gtttcacttt gttttttcaa 60  
 agaatacttc ttaagtgggt gtattttttt gttgtattac atcatgtggc aaatgatctc 120  
 tgtctgtgac gttatgattg atcaggtttc aggtgttata agtttgatta ttcccttgta 180  
 ccttgtcagc ttttaccagc tgatttcagt ggcggttaat ggtcattggc tagattcact 240  
 atttcaggaa ggcacgtctg ag 262

<210> 638  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

<400> 638  
 gaattcgcgg ccgcgtcgac cttttcacga ttcatttctg aagggtttat tctatgaaga 60  
 cttttgttgc tgaagggtatg aaggatgtgg tagtaatgga aagtatttta ctgatctctt 120  
 atttcctttt aaattttttg agacagagtc tgcctctgtc atccacgttg gagtgtggta 180  
 gcggtgatctc agctcactgc aacctctgac tcttgggttt aagcacttct cctgcctcag 240  
 cctcccaact cgag 254

<210> 639  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<400> 639  
 gaattcgcgg ccgcgtcgac ttttttcaaa attactcata accagaagag ttctgttggga 60  
 ttttaccata tggccagatt catcttgcct ttcaaaactta tgtaagtaat ttttccaaa 120  
 ctcttttttt ccataacat acatgtctgt gagtccactc ctctctgag 169

<210> 640  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 640  
 gaattcgcgg ccgcgtcgac cctaaaccgt caattgaatt ctagcaagga atttgtgggc 60  
 aaacctacta ttttagacac tatttaataag actgaattgg cctgtaataa cacagttatt 120  
 ggttcccaaa tgcagttaca gctgggaaga gtccctcgag 159

<210> 641  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 641  
 gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaatt ctaggcgtga gccaccacac 60  
 ccagcctgct atagcttttt ctttgcctgag atttcttttt ccatttgcct tactagatta 120  
 attgaagcgc ttttataatg actgctgtgag ctctcttctt gaagaatttc agcgtctgtg 180  
 tcatcttctt gttggcatct acctattatc tttctctctt caaactcgag 230

<210> 642  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<400> 642  
 gaattcgcgg ccgcgtcgac gcttttaaga actttcaaat attttctcca gctgtatatt 60  
 ggttgctctc agggaagagt ttgttctgaa ttgctctgt ctgttttcca gaagtgaaaa 120  
 tttgaaccga ctgacctttt agtttttagt actgtatatt taaatatttt atttgccttc 180  
 ttttagaagc tacatgctca atttttgcag ttctctatac ctcataaata tttttgagct 240  
 cagccagctc gag 253

<210> 643  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<400> 643  
 gaattcgcgg ccgcgtcgac ccccgacac ccctcaagtc cccagggtcca cctgcattgc 60  
 agcagactgc cccagccaca cccacgctct ctccctcttc tgtacgcctg acgctccttt 120  
 ctgctcttga gcatttgcct gtgctgtctc ctctacttgg aatactcttc cctctttttt 180  
 tttttatttt tgagacagag tctcactctg ttgcccaggc gattctcttc tctcagcttc 240  
 tcgag 245

<210> 644  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<400> 644  
 gaattcgcgg ccgcgtcgac ccgaattcaa ggaattttta gactttgtgg attttttctt 60  
 cactataatt gtatgttttg ctcttaattt atttaaatta cctacataga tttttttgtt 120  
 acttttgaga tagttctctt gaaatttqaa gttctttaga gcttaatat ttaaataatgc 180  
 taacactcat cctcgag 197

<210> 645  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 645  
 gaattcgcgg ccgcgtcgac gggaattact atctacctct tagtgttata ttgggaatga 60  
 atgaaataac acatggagag aatttagtac aatacttggc acatcatata catgtttaaa 120  
 gtagttctta tgcctgtatt gaagttatta atgatgaact tggagattgg caccgggaata 180  
 agaaagaggg ttggcagaga ttgtgagaag gttgaattga caggcagtggt ctgtctggat 240  
 gttaggggcaa ggctcgag 258

<210> 646  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<400> 646  
 gaattcgcgg ccgcgtcgac gcaattcttc gctgaagtca tcatgagctt ttccaactc 60  
 ctgatgaaaa ggaagggaact cattcccttg gtggtgttca tgactgtggc ggcggttgga 120  
 tctctatctt tgcctgtgta ttctcttctg aaaaccgatg tgatccttct cgag 174

<210> 647  
 <211> 201  
 <212> DNA



<213> Homo sapiens

<220>

<221> unsure

<222> (92)

<400> 647

```
gaattcgcg cgcgctcgac gtaaaaagat tctaacagga aggaggaggg tgtaataaaa 60
tagaaatggc atctctagaa ataatgttca tntttaagat tgattatagg gaggaaaatg 120
aaacacaatg agccttttcaa aaaataagtc atgagacttt gggcaaaaaa caaacaataa 180
aatatgaggt caactctcga g                                     201
```

<210> 648

<211> 198

<212> DNA

<213> Homo sapiens

<400> 648

```
gaattcgcg cgcgctcgat ttttgccatg aatgggaaaa gctttttttt tttttttttt 60
tttttcgtgt tttttttttt tgtttcaaat tcttctcttg gctcattgct cttaatgctt 120
tgtctcccta aaagaggtag ctatgtaaaa acggaagtat ctggccctac gcagtggaaa 180
aagggaactaa caactcgag                                     198
```

<210> 649

<211> 216

<212> DNA

<213> Homo sapiens

<400> 649

```
gaattcgcg cgcgctcgac gcaatttgaa tataatatgt ctagggtgtag cttttttttt 60
tttttttagca tttattctgc ttgggtatttt cttagcttct cgaatttggt gttgggtatcc 120
gacattgatt tagaggaaat tcacagtcac tattgcttta aatattttct tctgttccct 180
cttctctctg ttttctctgt acatgtacac ctctgag                                     216
```

<210> 650

<211> 157

<212> DNA

<213> Homo sapiens

<400> 650

```
gaattcgcg cgcgctcgac cctaattcaga aggcattgtt ttagtatttc ttgggagtgt 60
cagctgtata atgcagcagc tgttcaatcc cttaaccttc tctgcaagga cttccttaca 120
gcttgggtgca gttctttccc agaggccacc actcgag                                     157
```

<210> 651

<211> 158

<212> DNA

<213> Homo sapiens

<400> 651

```
gaattcgcg cgcgctcgac aatcatttca gatttccagg aaagtggcaa aaatatcata 60
aagaaatata taaccttcac tcagattccc aaatgtttag acttcggcac atctgcttca 120
tttttttttc tctctcttca cacacacaca caactcgag                                     158
```

<210> 652

<211> 227

<212> DNA

<213> Homo sapiens

<400> 652

```

gaatttcggg ccgcgtcgac agcccatgaa agattccaga acagagtttt gtaggtaaag 60
ttaagtgtat tacctggaaa gtctgttcca tgttgataaa cccaagtcct gaagauggaa 120
agttgcctgt tcaaggatatt ttccttctct gtctcttctt tctctctctgt gatgcacaca 180
aacacacaca tatacacata caatctctga attcactcaa actcgag 227

```

&lt;210&gt; 653

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 653

```

gaatttcggg ccgcgtcgac ctttcccatc cctagattcc tttgtgctgc ttgtctacat 60
tgtatgataa acatcacatt aaatgcaatc tctccctccc caccctctct ttttttttga 120
gataggatct cgtttgctgt gttgccagg gtgcagcgca gtgtgtgga tegtggctca 180
ctgcagcttc accgtctggg ctcaagtgat cctcccccag agcctccact tcccagtacc 240
cgggactata gacacgtacc tcgag 265

```

&lt;210&gt; 654

&lt;211&gt; 240

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 654

```

gaatttcggg ccgcgtcgac gtgaggttga gggtccttcc atatatccac gggtgtttaa 60
tgtttatttc ctgtgagcta gctcttgata tctagtccc tgattcttcc ccaagaaaaa 120
tccataaat attttcacag gattgtgtta aattcctaga ttaatttga aagaactgat 180
tttatgttgc atctttttat ccaagaactt gttatgttcc tccatttgtt caacctcgag 240

```

&lt;210&gt; 655

&lt;211&gt; 190

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 655

```

gaatttcggg ccgcgtcgac gtgagacctt gtctcaaaaa cagaacaaaa agcaaaacaa 60
ctgtattagg ggccagatgt ggtggctcat gcttgtaate tcagtgtttt gggaggctga 120
gatgggagga ttgcttgaag ccaggagtcc aagaccagcc tggggaacaa ccaaacccgt 180
tctccctata 190

```

&lt;210&gt; 656

&lt;211&gt; 164

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 656

```

gaatttcggg ccgcgtcgac tgatttttta aatatatgtc ctttattaaa aatatatgaa 60
gtgcaatgaa agacaaaaac ttgtcattcc tcattgtage acctattctt aaggtctccc 120
tatctgagtc agctcagttt ttgatgtggg cggaaagtct cgag 164

```

&lt;210&gt; 657

&lt;211&gt; 172

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 657

```

gaatttcggg ccgcgtcgac caacagggaa acaggagtgt catcaaaagt aaattccagc 60
cgagacattc tctctatat gagaaacaaa agtgaaagga aaaatttttg aaaagtaaaa 120
cactqaagag tcatagtatt ctctgttaac ttggaactgg agtgggtctcg ag 172

```

&lt;210&gt; 658

<211> 165  
 <212> DNA  
 <213> Homo sapiens

<400> 658  
 gaattcgcg cgcgctcgac aaataaagta gggatgccat ctgctatatt caaatgtcct 60  
 tgcagattgt tttttctaat cttatggtea tattctgata ttcttaaat agatagtgat 120  
 tgctatgtta acacagagca gatagtattt gcacaaatgcc tcgag 165

<210> 659  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 659  
 gaattcgcg cgcgctcgac cacacacaca tacacacata tatatatata actttataaa 60  
 gtatcatgta atatttttta taatttatct ttaattccaa taactagggt acatagattc 120  
 taaagttctg aatccctatag gcaagtgggt caattatctt atccatgtcg tctagatacc 180  
 tctttatttc taaatattat ttcttaattt tttcaatatt agatgttgtt attgattgtc 240  
 tcacagatgc catccctaatt gacgtactcg ag 272

<210> 660  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<400> 660  
 gaattcgcg cgcgctcgac taggtttagt tgtcttaaca aaaaccagtc gaggaaaagt 60  
 ttttagttta gcagaatact aaataaaaaat attaatccag gctcagatal cttttgtttt 120  
 gatccctttg aaagtcagaa ctggttttgt ttaggagtat tttatgtatt tgatttttat 180  
 tcttaactat tcccttatga tggtagctgt tctttcagca aacagttatt ttgtgcttat 240  
 tgcgtgcctc gag 253

<210> 661  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<400> 661  
 gaattcgcg cgcgctcgac cgattgattt cgttagtact ttccaaaaat actaaacaat 60  
 aagatagtag tggagctttg tctattctct taactcaatc agatattttt aatgctttcc 120  
 tattaagatt agatctggct ttagattgaa gctacatat tttatcatgt taaagtatct 180  
 agctgttact gtttttttaa agtttttgtt ttgttttgtt tttgtttttt gttttttttt 240  
 gaggcagagt ctactctgt tgcctaggct ggagcgactc gag 283

<210> 662  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 662  
 gaattcgcg cgcgctcgac ttgaattcta gacctgcctc tcaacctggac cacttgagga 60  
 acctttgat tggctcccat gctttcactc ttgtccacc tatctctca cgcactcgag 120

<210> 663  
 <211> 244  
 <212> DNA  
 <213> Homo sapiens

<400> 663

```

gaattcgccg cgcgctcgac aactgcaatt acctctgtac caaccttaata gtttgcttag 60
tgttttttatc atgaaaaggt attagatttc taaaatgttt tttctgtctg ttgaggttat 120
cgtgttatctt tgcctttgtt tattattctg gtgtataatt ttttttgaga cggggctctg 180
ctctgtcgcc caggctggag tgcagtggcg cgatctctgc tcaactgcaag ctccacatct 240
cgag 244

```

&lt;210&gt; 664

&lt;211&gt; 193

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 664

```

gaattcgccg cgcgctcgac taaactcctg agctcaagt atcctttctac ctggggtctc 60
caaagtactg gtattacaga cgtgagccat ggcgcccagc ctgtctctgt gttttaacct 120
tcatttagta ttagctctac aaatgattac ttatttaatg ctcaatacta gtctctgtgt 180
cagtatcctc gag 193

```

&lt;210&gt; 665

&lt;211&gt; 329

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 665

```

gaattcgccg cgcgctcgac cctcctcttc tgcaccagt gccctcgccc cctccgaggt 60
cattcacctca cccgggttcc ttaccgtctt catttgcacc tgaaacctac ttgggagaat 120
atacagattc cagcgataat gactcagtc agcttagaaa ttctgtgag tctgtttcag 180
aagatgatac aactgaatca cagaattatt ttggctcatt gagaaaaaat aaaggaagt 240
gcacatggga ggaaaagccc aaatcacatg aagctatcca agctctgaat acatgggaag 300
taaataaagt gacaacttct ggactcgag 329

```

&lt;210&gt; 666

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 666

```

gaattcgccg cgcgctcgac tgcattggat tgtatgtgt tgcctccagc caaaatgacc 60
tttctcgtgt ccattattct gttatgtgt cattactgt ccacctccat gcccttcccc 120
aggggtgttc ttaacctctg aatgtcatt tccctcttt tatctctgcg tgtaaacccc 180
aaactcgag 189

```

&lt;210&gt; 667

&lt;211&gt; 218

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 667

```

gaattcgccg cgcgctcgac tatacattca gaaaagtaca tggttcagtg atttttctac 60
taagtgaatg catcgtctct taaaaagtga ccacctccat aacagaaaat agaattgtac 120
cagcatccca aagacctctt ctctgttttc tctcctctct tctccaagcc acactccttt 180
ctgacttctt tcactataga tcaattgttt aactcgag 218

```

&lt;210&gt; 668

&lt;211&gt; 129

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 668

```

gaattcgccg cgcgctcgac cctcactctg cgcattttta ttgcaagatc acaaattggc 60
agaaaatatc ggtactttgt ggttagctgt tgttacaagt ttttgccata cttccgagca 120

```

acactcgag 129

<210> 669

<211> 251

<212> DNA

<213> Homo sapiens

<400> 669

```
gaattcgagg ccgcgtcgac cagtctggcg gtgggtgcgg agtctgcggc cgttcccgcg 60
gcctctctct cctcccgggt ccttcacccc ccaccccgca cccctttccc catcccggt 120
ccgtcacctt cccgtccccc acactcagga caagaatgcc ctgcccgga caaccagca 180
gcgcctagat ggctttgggt acgggtccagc ggtcacctac cccagcacc acctccagcc 240
cgcaactcga g 251
```

<210> 670

<211> 175

<212> DNA

<213> Homo sapiens

<400> 670

```
gaattcgagg ccgcgtcgac ccttatgcca aaatctccct atcattaaaa tacaacaccc 60
caacctagc aaaaccattc ctgataccac gtgttgcctat tatccactat ctctctcca 120
gtcctatcaa aaattgggtt tgcgtttct gatgctatta ttgtctctgc tcgag 175
```

<210> 671

<211> 211

<212> DNA

<213> Homo sapiens

<400> 671

```
gaattcgagg ccgcgtcgac cttgcctggc aggagtggct tctaagaaga gctgttgatt 60
gttgaacttt gacgctaagg tgagggtttg gatttttttg gtagagcttt attttggtat 120
aattttagaa aagtttgaga atagtacacg agttccattt tacccttcac cttaggtcac 180
gatgatattg gttttgcccc atttactcga g 211
```

<210> 672

<211> 296

<212> DNA

<213> Homo sapiens

<400> 672

```
gaattcgagg ccgcgtcgac caccagacca gttctgtgac tccatctggt ttctgacttg 60
tgcgatcggg tggcagcccc atcagctgct acctctctt tgtctctttg ccggtgtgtt 120
tatgctattc aaagtacctc tattttaatg gagttttggg acctatcaaa tataaatata 180
ccatttcctc aagaccattt ttcttttcta accagtaaat ttatatggca ttatattttt 240
cttacagaag ctctcttttt ttctcttttt tctttctttt ttggaggct ctcgag 296
```

<210> 673

<211> 176

<212> DNA

<213> Homo sapiens

<400> 673

```
gaattcgagg ccgcgtcgac gagatgaatc caggtatata catttaacaa gaccttatta 60
aaagcttcaa gatgttagcc ttatctgtt ccatatctag cttaacttggg tgtttttggg 120
ggatcacatg tctgtctctc aaactggaaa cgtctaactc tccaggagta ctcgag 176
```

<210> 674

<211> 137

<212> DNA

<213> Homo sapiens

<400> 674

```
gaattcgcgg ccgcgtcgac cccatctatg aaqaactgaa agaccgcagc cgtagaagaa 60
tgatgaatgt gtccaagatt tcattttttg ctatgttttc catgtatctg cttgccgcc 120
ccatccctcgg cctcgag                                     137
```

<210> 675

<211> 202

<212> DNA

<213> Homo sapiens

<400> 675

```
gaattcgcgg ccgcgtcgac agcatTTTTaa gctttgtaca ttcaaagtca tgcatacttc 60
tgagagggtcc tttaatgtga agattttttg cttgcacacac ttccctctgga acatcttcat 120
cttctgtttg ctaattttta cttttagtta tttatttttt aaattaaatg tcatatgggc 180
ttattattgg gatagcctcg ag                                     202
```

<210> 676

<211> 227

<212> DNA

<213> Homo sapiens

<400> 676

```
gaattcgcgg ccgcgtcgac aaaagaagtt aactagagtg ccacaaaagt cactggactt 60
gaataaaaaat gaatatcttt ctctggacaa aagcagcact tcagattctg ttgatgaaga 120
aaatgttctt gagaagatc ttcatggaag actttttatc aaccgtattt ttcatatcag 180
tgctgacaga atgtttgaat tgctctttac cagttcacgc tctcgag                                     227
```

<210> 677

<211> 556

<212> DNA

<213> Homo sapiens

<400> 677

```
gaattcgcgg ccgcgtcgac agttggaaaag cttgcagcat ctggatcaat tacaatgcaa 60
gaacattgga gctatgtcaa gctacctctt catagtgaaa tatgagttgc ctttgggtgat 120
ccaggcatta acgaacattg aagataaaac tggattgttg tatctgaacg ggaactattt 180
ggtttctgtt gtgtcatttg tggtcattct tcctttgtcg ctgttttagaa atttaggata 240
tttgggatat accagtggcc ttccctgtgt gtgtatggtg ttctttctga ttgtggtcac 300
ttgcaagaaa ttccaggttc cgtgtccctg ggaagctgct ttgataatta acgaaacaat 360
aaacaccacc ttaacacagc caacagctct tgtacctgct ttgtcacata acgtgactga 420
aaatgactct tgcagacctc actattttat ttccaactca cagactgtct atgctgtgcc 480
aatcttgatc ttctcatttg tctgtcatcc tgcgtttctt cccatctatg aagaactgaa 540
aaaccgcagc ctcgag                                     556
```

<210> 678

<211> 196

<212> DNA

<213> Homo sapiens

<400> 678

```
gaattcgcgg ccgcgtcgac atttgtttta ttccagataca gtttacatgc agtaaaattt 60
attctttttt aggtttgcag ttgtatgagt ctgacaatgt atagtcatat aaccaacact 120
acagttgaga tatagaatat taccacagaa agttccctgt accctttagt gattctcttc 180
tccccacgt ctcgag                                     196
```

<210> 679

<211> 226

<212> DNA

<213> Homo sapiens

<400> 679

```
gaattcgagg ccgcgtcgac tgccttagta ataaattgcc taccagtttt gtaaagcttg 60
gtatatetta tttttctttt gacttttgc aaacacagaa gtaataaag tccctcgat 120
ccaactagca gctcctcagt tatcaattcg tggcccatct catttcacct gctcttattt 180
tttagttttt cttttgttaa tgcctgtatt caaacagtg ctcgag 226
```

<210> 680

<211> 113

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (104)

<400> 680

```
gaattcgagg ccgcgtcgac actaagggtt gagtcactgt gcccgccctg atgatttttt 60
tatcatatct gtgtttcttc agagtcttag tggctaaga aagnacactc gag 113
```

<210> 681

<211> 196

<212> DNA

<213> Homo sapiens

<400> 681

```
gaattcgagg ccgcgtcgac taagaatggt atgttatcaa aataccttta atagtcacct 60
tatagcactc tgcctatttg catccagttt tatgcatcaa acacaatata cctcttggtt 120
attcctaact gctcaatgga aaacacacgt tccagaatat agtcctggga tttaacaact 180
aatgacctgc ctcgag 196
```

<210> 682

<211> 226

<212> DNA

<213> Homo sapiens

<400> 682

```
gaattcgagg ccgcgtcgac tgagaatggt ggtagtggtc agaagagtca aaaaatggca 60
gttaattatt cagttatttg ctacttggtt tttagcgagc ctcatgtttt ttggggaacc 120
aatcgataat cactatttga gccatattga gtcataattt tacagatacc tcataaatag 180
ctatgacttt ctgaatgata cctgtctttt taagcacaca ctcgag 226
```

<210> 683

<211> 196

<212> DNA

<213> Homo sapiens

<400> 683

```
gaattcgagg ccgcgtcgac taaaatcacg ttgaagattt ggctgcattt ttgccttcag 60
attacatacc ttaataatta caactcaatt gaggggtcca tatatattct tcttcatttt 120
ctggcagtaa atcatattca tcatataatt cccaattttg cacacacaaa aaatgaaat 180
agccccctat ctcgag 196
```

<210> 684

<211> 193

<212> DNA

<213> Homo sapiens

<400> 684

```

gaatttcggg cgcgctcgac aactttatcc caaaagtagt gcctgtggag aaagaatcta 60
gacitctctg tatacatitt tctctctctc agtaataaac aattacclit catttatact 120
ttgataacct gtattttaatt taaaaaaaaa cataaaaaatg aggaaccaag tgaactacg 180
gatattcttc gag 193

```

&lt;210&gt; 685

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 685

```

gaatttcggg cgcgctcgac actttctgact ctgtcagtat tccctatccc tgcctctgat 60
ttctctcttt tcatagccgt cgccttaaca cacattctac atttgactta tttctctttt 120
taatcatcta cgtccctcca ctaggctgta aactacagga tgacaaaggc ttgtctctgt 180
tttttcattg ctggctgttc aatatctaatt ctagtgcctg gcctgtcctg gacaattaat 240
aatgtgaac acctcgag 258

```

&lt;210&gt; 686

&lt;211&gt; 197

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 686

```

gaatttcggg cgcgctcgac gtattaatag tttctctaatt gtgtgctgca gaaatggcta 60
tgaqctcttt aaatttacat ttgcaactta aaqtagttt tagaaggagc tacaattggc 120
ctttctatctt gcaaaacaatc gttttttact tcatctatctt aatttgcttt gtcactcata 180
aaaaggaaac actcgag 197

```

&lt;210&gt; 687

&lt;211&gt; 304

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 687

```

gaatttcggg cgcgctcgac agaagtaaaag atcctqaata acttctcaag gtatatactca 60
cacagctagt aagaagcaaa gtggcattgt taatacctcc caccattaaa aaaaaaaaag 120
gtggttatag caaagtatac actagaataa tttgagttgt ttgagatgga tacaggctac 180
ttttttttta aattagtagg tacaaacaaa gaacttgaaa accacatcct tttagattct 240
ttggtgtttc taggagtgta tttcaagggt gttagtaatt tgtgtttccc tgggcatct 300
cgag 304

```

&lt;210&gt; 688

&lt;211&gt; 156

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 688

```

gaatttcggg cgcgctcgac gtaaaacctt ggctaattctt attgtctttt tggagagatg 60
ggatttcacc atcttgccct ggctgtctct gaactcttgg gctaaagctg tctctcggcc 120
tcaagctccc cgaagtctct ggattgcgga ctcgag 156

```

&lt;210&gt; 689

&lt;211&gt; 329

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 689

```

gaatttcggg cgcgctcgac atgggacaaq gtccaaagcat gatqctgggc atgcctatgc 60
ccaatgggtt caggggaatt gcacaaacag gtgtgatgac acttctctag aacgttcttg 120
gcctccaaagg aggaatgggt ggacaaaagg gtgcacccca gactaagttt ggcctgcctg 180

```



aagctcagca gccccagtgg agcctctcac agatgaatca gcagatggct ggcattgagta 240  
 tcagtagtgc aaccctact gcagggttttg gccagccctc cagcacaaca gcaggatgggt 300  
 ctggaaagctc atcaggtcat tctctcgag 329

<210> 690

<211> 191

<212> DNA

<213> Homo sapiens

<400> 690

gaattcgcgg ccgcgtcgac gttaaacttt acatttttaa ttaatttatg tttgtatgta 60  
 tttatttgtt gagaaaggtt ctctctctgt caccctact agaatgcagt ggcgccatca 120  
 tggcttactg ctctctgggc tcaagctgtt ctcccatctc agcctcccca tgcaccaccc 180  
 tcatgctcga g 191

<210> 691

<211> 173

<212> DNA

<213> Homo sapiens

<400> 691

gaattcgcgg ccgcgtcgac ataactgtata atttgggtga ggtctacaaa attgggtgtg 60  
 actttccttt gcaaatggat ttctcttggt gaattttctt ggctgttctg gaaatgcttt 120  
 cccacagctg ggtaactgtt cttaaatggct ttgataatgc tcacaccctc gag 173

<210> 692

<211> 349

<212> DNA

<213> Homo sapiens

<400> 692

gaattcgcgg ccgcgtcgac gtgatttata atgacatcct gagaaaagtc agtgaaactc 60  
 atttctaacg aataccagat ttctttaaatt agtcaagtat tttctctttg tgtatgatga 120  
 gatatttaact tgggtgttatt tcattttttt tttttaagga gtcattctac cctgttctat 180  
 ctttacttat gtgaaaatgt ttaaaactatg agtttttttc atgtgccttc ttttggagta 240  
 atgtcaactt ttaaatatcac atgttttaaa aacttagagt gtaataaatt gtgtttaata 300  
 tatactgtag ataattgatg ttaaatgctt tgttaacaca tgtctcgag 349

<210> 693

<211> 272

<212> DNA

<213> Homo sapiens

<400> 693

gaattcgcgg ccgcgtcgac cctgcctcta agataaaaagc tcaacttctt aacagtgtac 60  
 agtgtgcaac ttccaacctt ttatctgtgt ctctccacct tcagtttagc gtcattccaa 120  
 aaccacaccc ttgcaaaagt ttgtactcgg caccctcagat gatctccagg cagctcagat 180  
 ctctttctctg cctttgccct gcactgttcc ccggtacttc ctctcttatt gtagcactca 240  
 gctccccagc caatctgtcc atcgtctctg ag 272

<210> 694

<211> 212

<212> DNA

<213> Homo sapiens

<400> 694

gaattcgcgg ccgcgtcgac cagagaacag gcaaaaattt actgaagact ttaacagcat 60  
 ctgaaatgct acctttattg gatcattgga atactcaaac taaaaaagta tcaactcagag 120  
 aaataatgtc agaagaaatt gccttacagg aaaaacataa tttgaaaagg gagaccctta 180  
 tgtttgaaaa agattgtgac actcaactcg ag 212

<210> 695  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 695  
 gaattcgcgg ccgcgtcgac catattttgt ttgtccattc atcaggtaat ggatatttgg 60  
 attgttcggt gtactgttat tgcctactct attttatttt agaaatacga aaagtgaatc 120  
 tcagggaagt aagttcacca aggtcagaca aatagcaaag ctgagacqca cacaaactta 180  
 agtgtgtctg atgctatat tttttctctt aaccactgcc ctcgag 226

<210> 696  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 696  
 gaattcgcgg ccgcgtcgac tgaagagatt atattcctct acatcagggt ccaaagatgc 60  
 agttctgtgg gcaactggga agttggaaac tgaatatggt gaaaatgac ccgtcactat 120  
 tcctaggagc gtggtgtct cctcagcact caccagtgtg ttgtgtagta gggggcgggg 180  
 gtatggaact cgag 194

<210> 697  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<400> 697  
 gaattcgcgg ccgcgtcgac tctctaccaa gccctttgtc ttgtgaattc tcttctcttg 60  
 ctgattctgc atggctttct atctatttca gtatcaagtt ctgatttttt gtttattttg 120  
 ttttcatttc atttttaagt attgtctaat gatccgttc tctgtgatat ggtttggtg 180  
 tgtccctact ctcgag 196

<210> 698  
 <211> 212  
 <212> DNA  
 <213> Homo sapiens

<400> 698  
 gaattcgcgg ccgcgtcgac cttaattcct actacaaagc taaataatat ataaaaataa 60  
 tagaaaaaat cagtgtctca agttatcctt taatgtgggg aataaaatgt ctgaaagtca 120  
 tttatgaact aatttttaga tgcctacta ctggaaattt ttattctttt aacactacat 180  
 ttgttgtttt aqatgcttgc caacaactcg ag 212

<210> 699  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 699  
 gaattcgcgg ccgcgtcgac ctaagtactt tttctttttg aagccatttg aagtgttaatt 60  
 attttcgttt cattttcaga ctgttcattt ctaygghang caactaattt ttgtgtattg 120  
 atgttatctc ccacaacttt gaacttgctt attagcttca acagtatttt tttagatttt 180  
 tcagggtttt cttctacaca taggattatg ttacctgttt ttgttttttt tgtttttgtt 240  
 tttgttcttt ttgtttttga gacagggtct cactctgtca ccaggaaccg gaagctcgag 300

<210> 700  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 700

gaattcgcg cgcgctcgac attgaattct agactgcttc atggatacaa tatctgtgca 60  
 tctctttgac agtattatgc tttttctctt cttctctctt ttgagggtgga gtctcactct 120  
 cgag 124

&lt;210&gt; 701

&lt;211&gt; 214

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 701

gaattcgcg cgcgctcgac aggaataag agtttttaggc atctataaaa ctgtctgaga 60  
 ttttaacctt tctcatataa gcaagggatt tgattacaca aaattttttg acagtggata 120  
 gctagactgt acttatcaat ttgttcaact ctgttctatg gctatctctg gaagacctt 180  
 taggtacaat aaggaagatg ggagagtact cgag 214

&lt;210&gt; 702

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 702

gaattcgcg cgcgctcgac ggtagcctct cacaactcgc ccttgccct ctgccttcca 60  
 ctctcttcca tctcatttct aaaccccaaa cagctcatct ctaaaaagat agaactccca 120  
 gcaggtggtt tctgtgttct tctgacaaa gattctctgt tctccagact ttagcagcct 180  
 cctgttccca ttcttggtca cagctctagc cacagcagaa ggaaaggggc ttccagaaga 240  
 atatagcacc gcattgggaa acagcagcct ctacctctcc ctgcag 286

&lt;210&gt; 703

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 703

gaattcgcg cgcgctcgac gttataaagg gacacagctg aaagccttac tgatacttga 60  
 aggaggccag aaagtgtgtt tcaaacctaa gcggtatagc cgagaccatg tgggtggaag 120  
 ggaaccgtat gctggttatg atagtcacaa tgcctcag 158

&lt;210&gt; 704

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 704

gaattcgcg cgcgctcgac acacaattct tttcttccgc ttggatattc gcatgggect 60  
 actttacatc acactctgca tagtggttct gatgacgtgc aaaccccccc tatataragg 120  
 ccttgagtat atcaagtact tcaatgatua aaccattgat gaggaactag aacgggacaa 180  
 gagggctact tggattgttg agttctttgc caattggtct aatgactgcc aatcatttgc 240  
 cctatcttat gctgacctct cctttaaata caactgtaca gggctaaatt ttgggaaggt 300  
 ggatgttggg cgtatacttg atgttagtac gcggtacaaa gtgagcacat caccctctac 360  
 caagcaactc cctacctga tctgttcca aggtggcaag gaggaatatc ggctggccaca 420  
 gattgacuat aaactcgag 439

&lt;210&gt; 705

&lt;211&gt; 192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 705

gaattcgcg cgcgctcgac aacacagctt agcaqqaac cctgagctgt ctgactctca 60

```

agcctgtgtt gggaaatcct ggcctgtgct gcctcttgtt gcagagatcc tatctggata 120
aagtgtctggg taaccaggaa tcagaacctc tggaggacga gtatgacctc tttctgtctc 180
ctgtgtctcg ag 192

```

<210> 706  
 <211> 205  
 <212> DNA  
 <213> Homo sapiens

```

<400> 706
gaatttcgagg ccgcgtcgac cctcaaaacta caaaggaaatg acaagagaag aaaggagaca 60
gagagatcta gaacagatgc ctcaacgacg aagaatgaac agcactggtg gtcagacacc 120
cagaagagac ctggaaaagg tgctgacagg agaggagaag gctcttagac ctggagatcc 180
tggattctgt gcccgtagac tcgag 205

```

<210> 707  
 <211> 279  
 <212> DNA  
 <213> Homo sapiens

```

<400> 707
gaatttcgagg ccgcgtcgac agaaaataag cgattacaga aggaacttag tatgtgrgaa 60
atggagcgag agaagaaagg aagaaagggtc acagagatgg aaggccaggc aaaagaattg 120
tcagcgaagt tggccctttc cattccagct gaaaaatttg aaaacatgaa gagctcatta 180
tcaaatgaag tgaatgagaa agcaaaaaaa ttagtagaaa tggaaagaga acatgaaaaa 240
tcacttaagt aaattagaca gttaaaaaga gaactcgag 279

```

<210> 708  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

```

<400> 708
gaatttcgagg ccgcgtcgac cctaaaccgt cgattgaatt ctagacctgc ctcgagcaac 60
ccgttcactc aacaagccaa tctgatccca gggttgaacc tcagcgcaact tggcatcttt 120
tcaacaggac tgctcggtgt atctccacca gcagggcccc ggggagctcc ccccgctgcc 180
ccctaccacc ccttcactca acaagccaat ctgaccccag ttctcgag 228

```

<210> 709  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

```

<400> 709
gaatttcgagg ccgcgtcgac agggatttgg aagacaaaga caaaggacga gatgaccgca 60
gagaaaagcg agaagagatc cgagaagata ggaatccaag aqatggacat gatqaaaqaa 120
aatcaaaqaa gcgtatagaa aatgaaggga gtcccagccc tagacaqlcc ccgaagcgcc 180
caactcgag 189

```

<210> 710  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

```

<400> 710
gaatttcgagg ccgcgtcgac gataccttgt tacaggacag agattttctga accttaaaqt 60
tgagaaataa ataaatttga caaaatagac agcctgtcat tttctagggt aacttgagca 120
agatgaatat ttccctcaga tctctgctag tcttggtgtt ttctcttaaa actagctgta 180
tcttgctgga ggtccctgaa agtgaattaa cttctggatcc cttaggtatc tgtgtttgga 240
atagagttaa ttccaaatct atcttattat ggagtgaatg cgggcacctc gag 293

```

<210> 711  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<400> 711  
 gaattcgagg ccgcgtcgac ccaaaagttt gttctataat tattagagtt tgtttctctc 60  
 tcatgtatca tctctttttg aaaggagtcg tgtcttgccg agctctgtac aattttcttc 120  
 tcatggtact ctgtgttctc gag 143

<210> 712  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<400> 712  
 gaattcgagg ccgagtcgac aagaaagggc ctcacaagcg ctcagcatct tggggcagta 60  
 cagatcaact taaggagatt gcaaaattac gccagcagtt gcagagaagt aaacacagca 120  
 gtccggcatca tcgagataaa gaaagacagt ctccatttca tggcaacctat gcagctatta 180  
 accagtgctc tcgag 195

<210> 713  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<400> 713  
 gaattcgagg ccgcgtcgac gaaaagacat taagtccaaa ttttaattta ttctcatatt 60  
 aatatatact ccattaaaaag tttaaaattt catgggagaa aatataataa ggtaagagg 120  
 tagaatcact ttcagactta agaataatgt tgatttccca aatgctcgag 170

<210> 714  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<400> 714  
 gaattcgagg ccgcgtcgac tgttgaaatt gctcttcata ttactgggtt tacatggaca 60  
 cagaaactag gcaatttaga ggtgcacttg catggcaggc tgggccccct ttcttatatt 120  
 ttattttctt ttttagtata gtggtactta aaatcactgg ttcactcgag 170

<210> 715  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 715  
 gaattcgagg ccgcgtcgac aaaatacttt ggaaataata tacattttga catctatcca 60  
 agaggacaac tttggttctg gaactgggtt ctatttgtea aatcagtttc ctcttaaat 120  
 aattaatccc ttttaacaaa agccgtctat gggattaaaa gacacgtgaa atgatacttt 180  
 tattattccc attactcgag 200

<210> 716  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 716  
 gaattcgagg ccgcgtcgac gtgaaagtgc catggaaagc catcacttc tcaatcccaa 60  
 cctgcagcaa ggtgaaggag tctctctcag ctccgaacc acgtggcagg agtttggtga 120  
 ggatctgggc tcttgagagag tatgtctctt gatctctctc attgctttgc tgtctcttgg 180

cattgcttat tatgtgagtg gggtgctacc cctcgtggaa aaccacctcg ag 232

<210> 717

<211> 332

<212> DNA

<213> Homo sapiens

<400> 717

gaattcgcgg ccgcgtcgac ccttaccata tgttagcaac ctgtgcagaa gccctaccca 60  
gacctaaactg ggaactggct ctgtatatca tcctctcagg aataatgagt gcaactgtttc 120  
ttttggteat tggaaacagcc tatttggaag ctcaagggaat atgggagcca ttctgaaggc 180  
ggctatectt tgaggcctcg aaccgcctct tcgatgtggg aaggccattt gatctcagga 240  
gaatcgtttg tatttcattc gaaggaaact tgaacacact cagctgtgac ccggtgcaca 300  
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<210> 718

<211> 155

<212> DNA

<213> Homo sapiens

<400> 718

gaattcgcgg ccgcgtcgac gtgtgcttac acttctctgt ccagagtata caccaacaag 60  
tattccagaa gtccaacaag agaataaat caatctctca gacctaacag tqaatctagt 120  
tgctaattgta cctcaagatg gagaagatgc tcgag 155

<210> 719

<211> 188

<212> DNA

<213> Homo sapiens

<400> 719

gaattcgcgg ccgcgtcgac qcttccgat ctactccttt tctcgttctt agcagtcaca 60  
cagagcaaaq agggagacaa gataaqccaa tggacacgtc agtgcttatct gaagaaggag 120  
gagagccttt tcagaagaaa cttcaaagtg gtgaaccagt ggagtttagaa aaccccccat 180  
cactcgag 188

<210> 720

<211> 176

<212> DNA

<213> Homo sapiens

<400> 720

gaattcgcgg ccgcgtcgac cctgcctcga actcctgacc tcaagtgate ctcccacctc 60  
agcctccccc agtgctggga ttaaaagcgt gagccacggc acctggcctg aattttcttc 120  
aaattcaaaa aatcctgatg aagggttggc taaaatcttt ggtgagctac ctcgag 176

<210> 721

<211> 226

<212> DNA

<213> Homo sapiens

<400> 721

gaattcgcgg ccgcgtcgac tttttgggta cgttctatata atttgagctc ttgactttga 60  
aaagggttttt cctctcttga tcttaattcc acctgtgata aatatggatg agtggatatg 120  
ggttagggct gaagttatct tcatataatat tcatcattag tggatcttg tttcatttac 180  
tataaaacac atttcatcaa tgcactttaa aaaaatctta ctcgag 226

<210> 722

<211> 222

<212> DNA

<213> Homo sapiens

<400> 722

```
gaattcgcg cgcgctcgac gttaatattg aagtacagtt ggcttcagaa ctagctattg 60
ctgccattga aaaaaatggt ggtgttggtta ctacagcctt ctatgatcca agaagtcctgg 120
acattgtatg caaacctggt ccattctctt ttctgtggaca acccattcca aaaagaatgc 180
ttccaccaga agaactggta ccatattaca ctggtactcg ag 222
```

<210> 723

<211> 184

<212> DNA

<213> Homo sapiens

<400> 723

```
gaattcgcg cgcgctcgac ttaagatctt gtggtcacaa ctgatgaaag ggcaccttga 60
catctgtctg tgcctctggt tctttttgga gatagagtct gtctctgtca cccaggtctg 120
aatgcagtgg cgcgctctcg gctcactgca acctccacct cccaggttca agcgatatct 180
cgag 184
```

<210> 724

<211> 304

<212> DNA

<213> Homo sapiens

<400> 724

```
gaattcgcg cgcgctcgac cccaaaagga cccagacatg gcaatggaga tttgtgctac 60
ggatgctgta gatgatatgg aagaaggctt taaagtctta atgaaggcag accctggtag 120
acaggaatcc ttgcaagcag aggttatccc agatccaatg gagggagagc aaacctggcc 180
cactgaggag gagctgagcg aggcaaagga tttcttgaag gaaagtctta aggtggtaaa 240
gaaggtcccc aaaggaacat ccagttacca agctgaatgg attttggatg gtggcagact 300
cgag 304
```

<210> 725

<211> 234

<212> DNA

<213> Homo sapiens

<400> 725

```
gaattcgcg cgcgctcgac attgaattct agacctgccc taccattcac ccagctcaca 60
gactgccaac aggaagtgtt gtttggctag ttctctccca cttgtctacc cctcctttgt 120
ccttagacca acatgtttac ctctctgctt tgccaactta gccagcaggc catccccggc 180
cctaaegtct cctggccatt atctcttagt tatggcttct acgtctctct cgag 234
```

<210> 726

<211> 160

<212> DNA

<213> Homo sapiens

<400> 726

```
gaattcgcg cgcgctcgac gaggggggtg gggtacatga gtatatatat cttlatcaaa 60
actgaaaqaa ttgtacctt taagattctt aggcgaagtg cagtggctca tgcctgtgat 120
cccagcattc tggaggtctg aggtgggttg atcgctcgag 160
```

<210> 727

<211> 335

<212> DNA

<213> Homo sapiens

<400> 727

```
gaattcggtt aaagaggcct agcatctgtg agtggggacc ttttgggttg agcttatctt 60
```

```

acattttttt ttttttttaa ttcttgggtg tcttttatca cctttctetaa ttttttaattg 120
tgtctgtttg caatatgggg gttagacttt ttttatcatt accttttttt ttctttgggt 180
gtacattttac cttttttaca aatattgtaa gctgtctctg tctttgcagg actacagggc 240
ctgggcaggg ccccccagca acaattcacc cacagtgcac ctgcacatgc ctttcttaca 300
tgcttgctct gtctcgaact agtcacaate tcgag 335

```

&lt;210&gt; 728

&lt;211&gt; 425

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 728

```

gaattcggcc aaagaggcct acaacccccg ggacaaccag ctctatgtat ggaacaacta 60
ctttgttttg cgtatatagg tggagttttg acccccagat cccagtgtctg gcccagccac 120
ttccccgctt ctcagtacca ccaaccacag cgggcccaca cccctcacca gcacagcctc 180
gcttgcaagg accactccac tccgcccggc acccctcacc acacacccag tgggtgccat 240
caaccagctg ggacctgacc tgcctccagc cacagctcca gcaaccagta cccgaaggcc 300
tccagccccc aatctgcatt tgcctcctga gctcttctgt gaaccagag aggtccggcg 360
ggtccagtg cagctaccc aacagggtat gctggtggag agaccttgcc ccaagggaac 420
tcgag 425

```

&lt;210&gt; 729

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 729

```

gaattcggcc aagtatttgt tcaaccagct gtttgagag gaagatgctg atcaagatgc 60
tgatcaagaa gtgtctctg acagagctga cctgaggct gcttggaac caacagaggc 120
tgaagctaga gctcgag 137

```

&lt;210&gt; 730

&lt;211&gt; 196

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 730

```

gaattcggcg cgcgctgac cctgggcaac atagtgcagc ccattctctaa aqaaacaaac 60
aaaaaatcaa ttgtatttct agatactagc agcaaaacac ttaaaaatga aaattagcca 120
ggcgcgggtg ctcacgcctg taatggcagc accttgggag gccaaagggtg ttggatcacg 180
aggtcaggag ctcgag 196

```

&lt;210&gt; 731

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 731

```

gaattcggcc aaagaggcct acagaatgaa gctccggcta attgcatttg tcttaatect 60
ctggactgaa accttggcag accagagccc agggccaggg ccgagtaac cagactgggt 120
gtttctgttg gacagctcgg attacctggg aattaagttc ttcctatttg tgagaacttt 180
tctcaacaga atgatacaga gctctcccat agaggccaac aagtaccggg tggccctggc 240
ccagtcacag gatgctctcc acaatgaggt ccagctgggg acctccaaga acaggaaacc 300
catgctgaac cactgaaga agaacttcgg gttcctcggg ggctccctga agataggga 360
cgccctgcag gactcagag gacctatttc tctgtctcca gaagtggag agacaagaaa 420
cagttccccc aaactcgag 439

```

&lt;210&gt; 732

&lt;211&gt; 259

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



&lt;400&gt; 732

```

gaattcggcc aaagaggcct acaggcttcc cgcaattaaa acatgtcttc tgatcattac 60
tgcccatgga gcggttctga gattgaagga tggcggccgc taagcctgca ttggtgagag 120
gacccccaaag ctctcgacag accctgagcc agtcttgtaa gcctttgttc ttctctgggg 180
ctatggccgc tcggcaactcc tttgtggctt gctcatagat tagctgttct atcagaggcg 240
cagcttgcctc tgactcgag                                     259

```

&lt;210&gt; 733

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 733

```

gaattcggcg ccgcgtcgac cgagtctgag tggttgaatt ctacacatct ctctagtccc 60
tctgaagccc cactctctga gcgtgcctc tgatcacccc agcccacagt gatctgagtt 120
cacagagcac atcctgtttg aatgccccat ttgaatcaca gcctattcct cttttttagt 180
gttggtttgt ccttaagtgc acagatggct tttaccagc tggacctcga g 231

```

&lt;210&gt; 734

&lt;211&gt; 352

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 734

```

gaattcggcc aaagaggcct aagtgattcg attcaacata gactacacga ttcattttat 60
cgaagagatg atgcctggga atttttclgt gaaaggactt gaactgtttt cattgttcc 120
attcagagat attttggaat tatatgactg gaatcttaaa ggtcctttgt ttgaagacag 180
ccctccctgc tgcctgagat ttcatttcat gccacgtttt gtaagatttc ttccagatgg 240
aggcaaggaa gtgttatcca tgcaccagat ccttctctac ctgctgcgct gcagcaaggc 300
tctggtgccc gaggaggaga ttgccaacat gctccagtgg gaggagctcg ag 352

```

&lt;210&gt; 735

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 735

```

gaattcggcg ccgcgtcgac gtcgtcacc ctttctccat cgtctcccg aggtcctggt 60
gggcgggaag gaccagggtc acccctgtgg ccttctctgc ctggcaaccc agccaggccg 120
tcgaaacccc ggtcaccctt gggggccagt tgctccaggc ttctctctgg tccatcactc 180
ccagcccagc ccggtcttcc gggtctcccg gccggaccag gccggccttg cacacctcga 240
g 241

```

&lt;210&gt; 736

&lt;211&gt; 465

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 736

```

gaattcggcc aaagagccta gggaggtttg tttctgacg ggaggtlagg ggactgctga 60
ggataaccag gaccaggggt tcggccccc actaaggggt accctggacc agagtactag 120
tcggagccgt acgatagcca ggtctggggc ggcactcct ctgtggagac caagaqtaac 180
ccaccatggc cctgggtcct gcatgagggt atgggttaagg acccagaggc ccaccatagg 240
aggaaggctg gcccaccaca gggaaggggg ctggctgcag ggctccctcg gctgtcgggc 300
ccacaggcaa gcctggggat gggctgtagg gcaaagggtt gggagtcaat acagaggggt 360
gtggaggctg tttctcagtc tcaggcgggt tcgctgggg tactgggcgt gggggctggcg 420
ggcgttttgg agggacatct ccagccagct ccggcaaacg tcgag 465

```

&lt;210&gt; 737

&lt;211&gt; 509

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 737

```

gaattcgcgg ccgcgtcgac caaccgtcaa aatgtccaaa gaacctctca ttctctggct 60
gatgattgag ttttggtggc ttacctgac accagtcact tcagagactg ttgtgacgga 120
ggttttgggt caccgggtga ctttgccctg tctgtactca tcctggcttc acaacaggca 180
acagcatgtg ctgggggaaa gaccagtgc cctactccgg ttgcaaggag gcgctcatcc 240
gcactgatgg aatgagggtg acctcaagaa agtcagcaaa atatagactt caggggacta 300
tcccagagag tgatgtctcc ttgaccatct taaaccccag tgaaagtgac agcgggtgtgt 360
actgctgccg catagaagtg cctggctggc tcaacgatgt aaagataaac gtgcgcctga 420
atctacagag agcctcaaca accacgcaca gaacagcaac caccaccaca cgcagaacaa 480
caacaacaag ccccaccacc actctcgag 509

```

&lt;210&gt; 738

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 738

```

gaattcgcgg ccgcgtcgac gagctgggtg gtgggtgtgg agttggctgt gaataatgaa 60
ctgcagccaa tcatttgctt tggcacatcc tctaaggtaa gatatgctta gtttcataatt 120
gtgtagcctg cagaactgca ccactaatgc ccattggctg ctagattcac tggataacct 180
ctttatttcc tgttgctgaa tgcgtttcca tgtaccttct tctaagagaa caagcaattc 240
ttctgtgggt gtcttttccac catcagctag tttagatagt ttttcggcta cagactctct 300
gataaagctg tactgagcga ttgaattcta gacctgcctc gag 343

```

&lt;210&gt; 739

&lt;211&gt; 106

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 739

```

gaattcgcgg ccgcgtcgac aggggttggg tgtttttttt cttcttttct tttaaataaa 60
aatgtcgcaa gggttccgcc tctgcgttcc cgttgtgctg ctcgag 106

```

&lt;210&gt; 740

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 740

```

gaattcgcgg ccgcgtcgac cgggaaacca aaatggcgag gggctgtatt gaagtgggct 60
gtgtttgagg ccggtgtaag aacgctcatt ctacccccc aaacctgtct caaggacctc 120
ggtttgtgct tgcataatgt ccgggtaccc ggtggggcgg gtgcccagta agtgcctcga 180
ctcgacgggg aagcgcaccac ggggacggat tggttgtttt ttctgtatg aagcggttgg 240
caccactgaa gtgaccgaat gaggtgagag accttggcct gggaaccgac tcttcgggag 300
gagatggggg ttgggggaag qaggaagaaa gaaagcaagt ataaaaggga aagatqqaq 360
accaaggtgg gggtaggggc tctgtatgt gggtagcttt gcatttatgt gtatatlgaa 420
aagaatqqat gaagaggagt agtcagttga gtgttgggag aaaaatgaga ctactcgag 479

```

&lt;210&gt; 741

&lt;211&gt; 195

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 741

```

gaattcgcgg ccgcgtcgac gtgtcttttt ctttaaaaaa aagtcacgat acatttcctg 60
ttttcqaaaa tgataggcaa aagttgggga acattacatg atatccaaaa caggtttatt 120
ctatatctgt gtttcagatt acattcttca gcaattgggt tacgagttac agtgctaaat 180

```

ccacaaactc tcgag

195

&lt;210&gt; 742

&lt;211&gt; 592

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 742

```

gaattcgcg cgcgctcgac cccattgact gaagatgaga ccattcttcc tcttggtgtt 60
tgccctgact ggccctctgc atgcccaaca agcctgctcc cgtggggcct gctatccacc 120
tggtggggac ctgcttgttg ggaggaccgg gtttctccga gcttcatcta cctgtggact 180
gaccaagcct gagacctact gcaccagta tggcgagtgg cagatgaaat gctgcaagt 240
tgactccagg cagcctcaca actactacag tcaccgagta gagaatgtgg cttcaccctc 300
cggcccatg cgtgtgtggc agtcccagaa tgatgtgaac cctgtctctc tgcagctgga 360
cctggacagg agattccagc ttcaagaagt catgatggag ttccaggggc ccattgccgc 420
cggcatggtg attgagcgtt cctcagactt cggtaagacc gggggagtgt accagtacct 480
ggctgcggac tgcacctcca ccttccctcg ggtccgccag ggtcggcctc agagctggca 540
ggatgttcgg tgccagtcct tgccctcagag gcctaattgca caccaactcg ag 592

```

&lt;210&gt; 743

&lt;211&gt; 367

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 743

```

gaattcgcg cgcgctcgac gtgacctgg ataaattcct taagtctctt ggtgttctct 60
catctttttt taaataatag ctttattgaa gtatacagtc atgttgagaa atgcgtcatt 120
agacaatttc gtacatgcgt gagcatcaca gagtatactt atattaaccg agaggtataa 180
cctaccccac acctaggcta tatgatatag tctattgctg ctagtctgca aacatgtgca 240
gcatgttact gtactgaata ctgtaggcaa ttgtagtaca atggtatttg tttatctgaa 300
catatctaaa ctaacaaaag tacagaaaaa tgtgatataa cagattttta aaaggtacgc 360
gtcgcag 367

```

&lt;210&gt; 744

&lt;211&gt; 655

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 744

```

gaattcgcg cgcgctcgac tccaaatgag aaaaaagtgg aaaatgggag gcatgaaata 60
catctttttc ttgttgttct ttcttttgc agaaggaggc aaaacagagc aagtaaaaca 120
ttcagagaca tattgcatgt ttcaagacaa gaagtacaga gtgggtgaga gatggcatcc 180
ttacctggaa ccttatgggt tggtttactg cgtgaactgc atctgctcag agaattggaa 240
tgtgctttgc agccgagtea gatgtccaaa tgttcattgc ctttctctcg tgcattatcc 300
tcattctgtc tgccctcgct gcccaagaaga ctccttacc ccagtgaaca ataagggtgac 360
cagcaagtct tgcgagtaca atgggacaa cttaccaacat ggagagctgt tcgtagctga 420
agggctcttl cagaatcggc aacccaatca atgcacccag tgcagctgtt cggaggggaaa 480
cgtgctttgt ggtctcaaga cttgccccaa attaacctgt gccttcccag tctctgttcc 540
agattccctg tgcgggtat gcagaggaga tggagaactg tcattgggaa atctctgatg 600
tgatattctc cggcaacctg ccaacagaga agcaagacat tcttaccac tcgag 655

```

&lt;210&gt; 745

&lt;211&gt; 268

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 745

```

gaattcgcg cgcgctcgac cattgtcaaa cttgaccttt taaataatct gactraactc 60
cttttttaatt taaatcctgt tcttaattcat gacactggaa gctatatata taataacctt 120
tttttcattt tttagttgga caactagtgg ttgaaagac sagggccttc tgtcagtagg 180

```

aagtaatcgt gatcgagaga tcagcatgtc tgttggctctg ggaagatcac aattagatcc 240  
 taaaggagga qtaqltggag ttctcgag 268

<210> 746  
 <211> 181  
 <212> DNA  
 <213> Homo sapiens

<400> 746  
 gaattcgcgg ccgcgtcgac ataagttaaa gatgtatagc gtgtataata ccttactata 60  
 ccttatcata gtgattcacc ttaccatagt qaaccctaaa atagtatact tctggccagg 120  
 cgcggtggct tacgcctgta atcccaacac tttgggaagg agaggtgggc cgaacctcga 180  
 g 181

<210> 747  
 <211> 694  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (35)

<400> 747  
 gaattcgcgg ccgcgtcgac ataaaaagaa aagtnagggg ggtattgaaa tcgttaaaga 60  
 gaaaacaact aggagcaagt caaaggagag gaaaaaatct aaaagcccat ccaaaagaag 120  
 taagtctcaa gatcaagcaa ggaaatcaaa atccccctacc cttagaaggc gatctcaaga 180  
 gaaaattgggt aaggccagat ctctactga tgataagggt aaaattgaag ataaaagtaa 240  
 atcaaaagat agggaaaaat cccaattat aaatgaaagt agaagtcggc atcgaggtaa 300  
 aaaatccaga tccccagttg atttaagagg taaatccaaa gacagaaggc cacggtccaa 360  
 agagagaaaa tcaaaacggg ctgaaactga taaagaaaag aagccaatta aatctccctc 420  
 taaagatgct tcattctggga aagaaaatag gtcacccagc agaagacctg gtcgtagtc 480  
 taaaagaaga agtttgtctc caaaaccacg tgataaatca agaagaagca ggtctccact 540  
 tttgaatgat agaagatcta agcagagcaa atccccctcg cggacactgt ctctggggag 600  
 aagagccaag agccgatcct tagaaagaaa acgacgagaa ccagagagga gacgactttc 660  
 ttctccaaga tcccccttaag aacacgacct cgag 694

<210> 748  
 <211> 714  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (672)

<400> 748  
 gaattcgcgg ccgcgtcgac cataaagtta attctcataa tttttgctgg gtttaataat 60  
 tcaaaatatg aatcaaaatt ttattttatg caqtlitcatt ctattaaaat tatctgctaa 120  
 attaatatta agtagtctta tagcatatat tatttaataa ttgcaagtag tgacatatca 180  
 taaataaaact gtataatatg tattattgat tctgttattt tatttttccr aqcaatgcac 240  
 agggaaaccag taaattttac aagcagagaa taactaactg tcattttatt aatattctaa 300  
 acaaatgaag ccgcctctat aagtgaattt tctggacttc taaagatgag cattgttgaq 360  
 ttttaataact caaattttta ttgtgttaag taaagtatat taaatataac ctccacctaa 420  
 tgactcagct gtaattaaaa aagaattcac gaccagcctg ggtaacacgg tgagacccca 480  
 tctctacaaa aataaaaaat aaaaatgaaa attaaaaaaa attagccagg catgggtggc 540  
 tatacccaag tactctgaag gccgagggcg gaggattgct caaacctagg agtccaaggc 600  
 tgtagtgaac ttgtatactg ccaactgtat caagcctggg aaacagagca aqacctgttc 660  
 ttttaaaaaa cnacaacaaa cctacacatg aaaattattg ctgcttccct cgag 714

<210> 749  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (25)

<220>  
 <221> unsure  
 <222> (230)

<400> 749  
 gaattcgcgg ccgcgtcgac gtgtnggaga aaaaactgct gagaagccaa agaaactgcc 60  
 accacagggg agacagagtt tgttgttcaa atcccaccaa gtagaggagg gcttggtaaa 120  
 caccttgggt tttccactga aacttcaaaa agatggttca tgccttagaa gtaaagattg 180  
 agtttaaat aaggacagaa aaatattgat tggatttgc ttttgaccn actcaggaac 240  
 aatttcgggt taggaatggg tatgggagag agagagaaga gcaggctaac gaaatagcaa 300  
 acaactcttg agagagtctg ttgtatggag aaatagggtt gtatttggat ggggaagttt 360  
 tgtttcttag gatggaagac actagagcaa gtctgtttt tggtttttt ttgagatgga 420  
 gttttgcttt gttgcccagg ctggtgtgca gtggtgcaat ctccag 466

<210> 750  
 <211> 602  
 <212> DNA  
 <213> Homo sapiens

<400> 750  
 gaattcgcgg ccgcgtcgac agtaaacactt aactcttcta taagtaatag aatctattta 60  
 gttttgaaga gtagtggata gattgcaagc tcattaccta gtttcacttt caaccagaac 120  
 tggaagaaat attaagtggg acaattacac taaaaaatatg caaagtatac attttaagta 180  
 ttttatgttc cagaacagct gccacatgtg atactataat caatctaata gaaataaaag 240  
 tccacctctt cttagaacat aggttctcca ctggaggcag ttttgcctcc cagggggatg 300  
 ttgacaatgt ctggacacat ttttggtttt cacagcgggg ggagagaggg actgtgtgcc 360  
 attggcctct agtggataga ggccggggat gttgctaaac atcctacaat gcagagaatc 420  
 acccactgac gacaatgaat ttttctgtcc aaaacggtta cagtaccaag attttggaac 480  
 cctaccttaa gagtatacat aaggtaatgc ttttctaaaa ggtctgtgtt agagttgcat 540  
 atgtatccag caacatgtga gccctaggac agggctttgc ccataatacc ccctcactcg 600  
 ag 602

<210> 751  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<400> 751  
 gaattcgcgg ccgcgtcgac gattaaagga tttacctgaa gagaaagcat tctattcacc 60  
 agagactgga caagagttac tcttgcattt ggcaattaaa gatgatgttt ccattgaaac 120  
 agttgatcct gctttcattc attggctgct caggagggtga gcttctctta caaggcccty 180  
 tatttarcaa aqaaccacgc aacagcattt tccctgttgg ttcagaagat aaaaaataa 240  
 ctttgcattg tgaagcaaga ggcaatccat cactcatta cagatggcag ctgaatggaa 300  
 gtgatattga tatgagtatg gaacatcgtt ataagttgaa tggaggactc gag 353

<210> 752  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 752

```

gaattcgcg cgcgctcgac ggggcaggga taaattcgta aaaataaaaag aaatctttat 60
taaaacccaaa tggcatggaa attttttaga gaattctcat agttatacta aacctgagga 120
aaaataacat aatattgact gtttaagag aactctgttt tcaagcctgt aaaactaatt 180
gatataattt tctacctaga atttagatat tatgaaattt ttttttgta ttgttttttt 240
ctttaggatc acagtatcac tcgag 265

```

<210> 753

<211> 589

<212> DNA

<213> Homo sapiens

<400> 753

```

gaattcgcg cgcgctcgac cactttacct gtctgtaaga tggacatggt taggtctacc 60
catgaggggt atgtggggat tggagaaaat ggaaglaaag aactagtcca gagccacct 120
tggtgaaaag ccactgtcat catcaattac catcgtcatt ctccatccca gccatccacc 180
caccaccgc cagcgtgctc ttctctgtg accgatgtct cccgtgtagc catgaacctg 240
catgctcagg atgcagacga cggtttgga agaggggtgc tgactgccgt gtgggactgc 300
atgtcagctt cccatgaagg ggcaccttgg gtgagctcac tgtttcctaa cggcatctgg 360
cattttctcc ttcccatctt gaccatgtca gttatccca tctacacga ctgctcactt 420
catttaaaaa aacccagttt gctttttttt aaacctttta tgtattctaa gtgatagaag 480
gtatggtctt ggtctacgat atgtttttta tttttcttga aatacataaa tattaataa 540
aaattgtgct atgtttccaa ctaagatcat ctggaatctc accctcgag 589

```

<210> 754

<211> 360

<212> DNA

<213> Homo sapiens

<400> 754

```

qaattcgcg cgcgctcgac taagtacagc aaaaaagaaa gggggggaag aaaagaagaa 60
ggaagaggaa aqggaggagg aggatthac attcaactac actagaaaca gtgaaaatag 120
ataatagcta taatttactc acatcttacc taaaacacaa attcagggta atttatgagc 180
aagtcatttt ccggtgggct ttcgatagtg tgtgaatttg gaatgaatgc tggactctcc 240
agtcctcttc cactgcagc accaggaagc cattgttctg gggaggccac caacttggct 300
ggcatgttgc ttctgcctca gttagtgatg atggtgatth ggagagaaaag gacactcgag 360

```

<210> 755

<211> 536

<212> DNA

<213> Homo sapiens

<400> 755

```

gaattcgcg cgcgctcgac gttgggatat ggggtggttg actaaagaat ggttctctct 60
tctaattcgc caaatttttc atccagatta tggcatgttt acatctcaca aggattcaca 120
ctgccattgg tttagcagct ttaaatgtga taactattct gaattccgat tgggtgqaat 180
tcttatggga ctagctgttt ataacagcat cactttggat attcgtttcc ctccctgctg 240
ttacaagaaa ttattgagcc ctcccatcat tctagtgtat caaaatatac cagtaggcat 300
ctgcaatggt accgtggagc acttatgtca aattatgccc gaatttggcc atggattaag 360
tgaactctta tcacatgaag gcaatgtcga agaagatttc gattcaacat ttcaggtttt 420
tcaagaagaa ttggaacaa tcaagtctca taattttaaag cccgtggtg ataaaaattc 480
agttaccaat caaaatagaa aagaatatgt acagctttat accgactttc ctcgag 536

```

<210> 756

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (192)

&lt;400&gt; 756

```

gaattcgagg cgcgctcgac cgaagggtga ggtggaagac cagggatgca cagctcagaa 60
ggcaccaccc gtggtggggg gaagatgtcc ccttacacca actgctatgc ccagcgctac 120
taccatcatgc cagaagagcc cttctgcaca gaactcaacg ctgaggagca ggccctgaag 180
gagaagggaag gngaaggga gctggaccca gctgacccac gccgaaaagg tggccttgta 240
ccggctccag ttcaatgaga cctttcggga gatgaaccgt cgtccaatg agtggaagac 300
agtgatgggt tgtgtcttct tcttcattgg attcgcagct ctggtgattt ggtggcagcg 360
ggtctacgta tttctccaa agctcgag 388

```

&lt;210&gt; 757

&lt;211&gt; 259

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 757

```

gaattcgagg cgcgctcgac cttagcactt caatttaaaa acatagaggt ggaatttta 60
atgttatttt gagttgactt tggcaggctg aaagaaagta aattaaaaaa aaaaacaaaa 120
acctagagct gttctctctg gagataagct ctgggaaaac ttatcttagt acctcatgct 180
atttttaaaa cagtacattt atttttgcca gctgataccc ttctgtgagg agttgaattt 240
gaagaccact gggctcgag 259

```

&lt;210&gt; 758

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 758

```

gaattcgagg cgcgctcgac gtcaccacgc ccagcccaag aaagatacat ttttaaaaac 60
agctttattg tggataaatt gacgtaaaat gtacatactt aaagtataca gtgtgatgtt 120
ttgatataata tgtatactct tgaaccaccc accacagtta aaataatgaa aatgtccatt 180
acctccagaa gtttcttcat gttttgtgtt aatctctctt tctctctctt gattctctcc 240
catccccaagg caactcgag 258

```

&lt;210&gt; 759

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 759

```

gaattcgagg cgcgctcgac agtatttaca gtttgactga cattgcttgg ctgcccataa 60
taaaagtgtt tgcctgggtg ctattgaatg ctttttaact tagtttttag acaattttgc 120
aggttttatt taagcatgtt gtatttttga ctgaggcaag tctttcgga actcgag 177

```

&lt;210&gt; 760

&lt;211&gt; 166

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 760

```

gaattcgagg cgcgctcgac tgtaaatctt gtaattaatg gtcaaaactgt ataaagggat 60
tggtagtcaa aacatgtana aagaaatacc tgtaaaactg ttttgcctca tgttttattg 120
gaccaaagtt gtgggttgta tggagtgtag taqtagtqga ctcgag 166

```

&lt;210&gt; 761

&lt;211&gt; 208

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 761

```

gaattcgagg cgcgctcgac accaaatcac gggactgttc agcacaaga aactgaactt 60

```

gccaatgltt acagttctga gaaggttctc catctgttt acaatgtttg ctgaaggagt 120  
 ttactcaag aagacttttt cttgggtat taaaatqact gtatttgcaa tgattattgg 180  
 agcctttgta gctgccagct cctcgag 208

<210> 762  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 762  
 gaattcgcg cgcgctcgac aaacatactt gtttttaact ctcaggaatt tcatgaggaa 60  
 caagtttaag ttttatatat atctatgtat gcttttcata aaccacaaat aagtttatac 120  
 acttttagctg gaacttttta taatttcaga ggggttattg aactgactgt tggcattgga 180  
 tataagaatt tggcttcagg catttgctat tgaggtttta aaaatgttta aatatcttac 240  
 tgtaattttt ttgttttctt atttgggaca atgcagctgt aatctcgag 289

<210> 763  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 763  
 gaattcgcg cgcgctcgac gaacagttag tagtagggct aagatttggt ttcagatttt 60  
 atttccaact agaagacca ttttaacact gttttggta ttgtttgtag agagctttct 120  
 aaataagtgg gtacctttat tatgattaag aaagtaattg actatttggt aggatttcat 180  
 acagaattat tgataagcac gctcgag 207

<210> 764  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 764  
 gaattcgcg cgcgctcgac gagaaggagg ggaacaagca gagactttta ctgggacaag 60  
 taaatcaagc cttcagcaac tcaaggaaac aacatacaag acaagctcaa ctctctgtta 120  
 agaccaaatt aggataaac tacaagaaa taaattgttt tatctggttg tgggtctttg 180  
 gggatagtta attgactact caaataacaa ctttgatagt atatgaactg tgactgtgtt 240  
 agtaggtttt aattagcagg aactttttgt aaattggaca aaaacttttt ttattatgac 300  
 taggaaaaact gctgttttct atttttgttt tgctctttta aataataccg aactcgag 358

<210> 765  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 765  
 gaattcgcg cgcgctcgac ctactgtttt ctgtgttata ctttgtgtta gtgcagagtg 60  
 ttgggtgtaa ctggttatcc ttttggaaac ctttgtttat ttaataattt ttaattgttt 120  
 acacattttt agaaagtatt cgtttccgta taggatgatt gcatgggtct tctcgag 178

<210> 766  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 766  
 gaattcgcg cgcgctcgac ctgaattctt gacctgcctc gagttgccta ctgatttcaa 60  
 gtattacatg aagcttgtaa aaataacaag cagttacctc gag 103

<210> 767  
 <211> 407



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 767

```

gaattcgcg cgcgctcgac ggcaagtctt aaaaactcga tttttatttt tatttgtatt 60
tactttat ttttatttat ttgagacaga gcaagactcc gtctcaaaaa aaaagcaaaa 120
caaaaaaaca aacaaaaaca aaagggtgac aggccagaat tgctcccggt gacatagttg 180
gtcaattaga ttgcataact taatccagcc tcagttgggt tgtctgggtt ttctggctag 240
gaagaatgct gctgtggaat gtgctggaac agatccttac gtgcgctgtg ttggagtctt 300
tccaggctcag gggttctcaa acggatttca ggacccttta catcatccag aatgatccaa 360
tagccccagg agcctgtgtc tgtgtggatt atatctgccg gctcgag 407

```

&lt;210&gt; 768

&lt;211&gt; 268

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 768

```

gaattcgcg cgcgctcgac gttcattgag gtttaagaga ataaaagaaa ccaaaaaaga 60
acttcacaat tctcccaaaa caatgaacaa aacaaaccaa gtgtatgcag caaatgagga 120
tcataactct cagtttattg atgattattc atcctcagat gagagtttat ccgtcagcca 180
cttcagtttc tctaaacaga gccacagacc aagaactata agagacagaa ctagtctttc 240
ttcaaaattg cctagccata aactcgag 268

```

&lt;210&gt; 769

&lt;211&gt; 372

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 769

```

gaattcgcg cgcgctcgac aaattactta taaatttttt atagtgttat ttttgacctg 60
ccttttatat gtaigaatat ttcatagttt tgcatatcag atgtaggcat acagacaaat 120
acataaacca atgaatatat tacatatctt gtgttccaat aaaactttat ttatggacac 180
taaaatttga atttcataaa attttcccat gtcaagaata caaaataactt gagttttgtt 240
tttagctatt taataatagg tctcatttat tccacaggct gtagtttgta gtcttgcttg 300
aaacaataga aacagactga ttaagcaqga gaagtttttr gaaagaattt tgtttggttc 360
agcaatctcg ag 372

```

&lt;210&gt; 770

&lt;211&gt; 126

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 770

```

gaattcgccc aaagaggcct agggggtaat ttacatatgg ggtgtatata ttctaaaaat 60
agtaataaaa gtacctttta taagcaatgt tgtgtggctt gtagaagaaa gcaggaggga 120
ctcgag 126

```

&lt;210&gt; 771

&lt;211&gt; 311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 771

```

gaattcgccc aaagaggcct aqtagaactc aagaagacag actaccaaqg gtcactcgaa 60
gtcgtgattg ggtcactaat aacaccagga caaagttaag ggtactactac tcaagcataa 120
gccccaqttt tcataagact gctgtgaaga tgtttgatat aaaggcttgg gctgagtatg 180
ttgtggaatg ggctgcaaaag gacctctatg gcttctctac aacctttatt ttggccctta 240
ctccactgtt cctagcaagt gctgtactgt cttggaaatt ggccaagatg attgaggccg 300
ggaaactcga g 311

```

<210> 772  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 772  
 gaattcggcc aaagaggcct aaagtcaaga acagtttttc actgcagctt ttagatataat 60  
 ttgggtcata tactgtttac acaattgccca attcttgcca aatttggtgt tgcgcatttt 120  
 atttctctcc tttaatgtac tgctctgcaa ttatgcttgt aaaatgtttt tctgtttcac 180  
 tcgag 185

<210> 773  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 773  
 gaattcggcc aaagaggcct atggtgaccc agccagataa tagtatcttg agcaaataat 60  
 agtatcttga gtgcaataaa gcaggaagac tgctcttcaa aaaatgtggg gttacatgat 120  
 ttccagagcc tttttttcag agttgagcat cttttctttt aaaagaaata aggggcaaga 180  
 ggaccaattt tattccttga ggaaaaatga cacacccttc tcccaaaaga aagaaaaactc 240  
 tctggccccc ccccttctcg ag 262

<210> 774  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 774  
 gaattcggcc aaagaggcct acacagactc ttgcaagctg gatgccctct gtggatgaaa 60  
 gatgtatcat ggaatgaacc cgagcaatgg agatggattt cttaggcagc agcagcagca 120  
 gcagcaacct cagtcccccc agagactctt ggccgtgatc ctgtggtttc agctggcgtc 180  
 gtgcttcggc cctgcacagc tcacggggcg gttegatgac ctccaagtgt gtgtgacccc 240  
 cggcattccc gagaatggct tcaggacccc cagcggaggg gttttctttg aaggctctgt 300  
 agcccgattt cactgccaaag acggattcaa gctgaagggc gctacaaaga gactgtgttt 360  
 qaagcatttt aatggaaccc taggctggat cccaagtgat aattccatct gtgtgcaaga 420  
 agatctcgag 430

<210> 775  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 775  
 gaattcggcc aaagaggcct atagagacat gaagaggctt gaagaaaagg acaaggaaag 60  
 aaaaaacgta aaggggtattc gagatgacat tgaagaggaa gatgaccaag aagcttattt 120  
 tcgatacatg gcagaaaacc caactgctgg tgtggttcag gaggaagagg aagacaattc 180  
 aqaatatgat agtgacggaa atccaattgc agttctccct ata 223

<210> 776  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 776  
 gaattcggcc aaagaggcct aaagattcga acaargagtt taccagctct gagaaaaatg 60  
 aactgctcca gaaccttcaa gaatgtttct ctgtatcag cccacatcac accgaatcca 120  
 ttgtctcaca ttgcagaatt catctttctg gtlttgagca ccattctaca cagttctttg 180  
 tctttttcca gtctgctgtt gactgggtta gctcagcccg aaaggtgcc ccactccctc 240  
 gag 243

<210> 777  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 777  
 gaattcggcc aaagaggcct agagcaagga ggtactctga gagctctggt ttgcagaaag 60  
 agagaaaaga caggatagat gaagagtagc caaaactccg tagaactggg gggagttact 120  
 gagcagacag gatggcatca cagagtgtgc catggtgggg taggagggcg gccaacaggg 180  
 acagaggagg gtccctctgcc agggagagaa acagagggaa tttgggggaa accagttgca 240  
 gatctcgag 249

<210> 778  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 778  
 gaattcggcc aaagaggcct acaaaaacca caaaagtgtc tacaagtctc ctggcatatc 60  
 tctatatttca gacactgaat ctgcagtagc aacctgtttt ctccaccagc ctagggttca 120  
 taatcttatt tgcctgcatg gaccagaaa taaatcagag tacagcccca cctggggccac 180  
 tatctatagg aaaaaccagt ccttccacct gcatttcaact ctctccaacc cagggaacttt 240  
 gttttctttt aacttttatt tttgggttgt tcaggggtat actcgag 287

<210> 779  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<400> 779  
 gaattcggcc aaagaggcct actttcataa atagaatttt catttttata aaattcaatt 60  
 tataattttt tatggttttt ctttattaat cccattttaag aaatctttgt gccatgatta 120  
 tgaagatgca ctctaattgt tttttccaga agctctlgtag gtttagcttt tacctttctg 180  
 ggrttgtttt tttttgtttt ttgagatgg agtccacctc gtgtcaccac ggctggagta 240  
 caatgggtgca atctcggttc actgcaacct ccacctcccg ggltcaagca attccctgt 300  
 ctccacctct ctag 314

<210> 780  
 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<400> 780  
 gaattcggcg cgggtctgac cggagcagcg cctatttagtg tcatctctac cgtcacggcc 60  
 ggcgcctcct cctggattca ttcactcgtt cttttcattc acgaaggtag tgaggcctag 120  
 tggaaagcca tggagagcgc tctcccgcgc gccggcttcc tgtactgggt cggcgcgggc 180  
 accgtggcct acctagccct gcgattttcg tactcgtctt tcacggccct ccgggtcttg 240  
 ggagtgggga atgaggcggg ggtcggcccq qggctcggag agtgggcagt tgtcacaggt 300  
 agtactgatg gaattggaaa atcatatgca gaagagltag caaagcatgg aatgaaggtt 360  
 gtccctatca gcagatcaaa qgataaactt gaccaggttt ccagtgaat aaaagaaaaa 420  
 ttcaaaagtgg agacaagaac cattgctgtt gactttgcat cagaagatat ttatgataaa 480  
 attaaaatag gcactactcg ag 502

<210> 781  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 781  
 gaattcggcc aaagaggcct agagagagag agagagctat taataaaaca gaggagtaca 60

```

ttttaccctt gcaattccag tcaataactgt ggtgtcattt cagccaacat accaacattc 120
agtc aaatcc caaagccaaa tggataattt cagatggaat ggagttagac aggaactggc 180
ttccctttct cctgttacta tgaggacaac cctcgag 217

```

<210> 782  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

```

<400> 782
gaattcggcc aaagaggcct aggaatcatt gcttactggg tagagaattt ctgttcggga 60
tgaaaatttt tagaaacaga taqtggcaat agttatataa cagtgtgaat gtaattaatg 120
ccactgaact gtacagttaa aaatgggttaa catggcaaac ttatatctat ttgccacaa 180
ttaacaacaa caaaaaaagc atgggctatt agactcgag 219

```

<210> 783  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

```

<400> 783
gaattcggcc aaagaggcct aggggagcgt tgtgttccat gctgctgtcc aggcacccag 60
cgccatgagt agcctatgca accttagag caaggcggtc gcggcttcgc atcccaacat 120
gggcactgta tgatgtcccg catcaggctt tcttatgtct gcctggagac cctaattatg 180
ggcggcataa tttgtccttg acggtctcat gcattttctg ggctgaatat ccggcaagca 240
ccagggttta gctcgag 257

```

<210> 784  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

```

<400> 784
gaattcggcc aaagaggcct attggaaaat agctgtgctg tcagcttttt gaggggggga 60
tttgttttgg tcagtcagtt ttatcataaa ttggcatttt gggttaaaac agcaacatgg 120
aacaataat ttttagatgt tggaaattcc tgggtttttt tgttttgttt tgttttgttt 180
ttttgagaca gcgtctttgt cacctgggag ttctcgag 218

```

<210> 785  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

```

<400> 785
gaattcggcc aaagaggcct acttgttcca gcgagttgac tataattttt tctaccctgt 60
tatctacctc tagctccatt gaacatcttc cttctgttaa gtgatagcca taagttctta 120
gtagcgaaat tattggatca aagagtagga caatttttat ggcactttta atgtgtgttt 180
tcaggcattg cctcgag 197

```

<210> 786  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

```

<400> 786
gaattcggcc aaagaggcct agtgccaaca aaatttaaat tttcttcatt aggattcaga 60
tttcagatta ggcaaacagt ttgggttgatt ctgtgatgta tgtaaagggt ggaagggttc 120
tcgag 125

```

<210> 787  
 <211> 204

<212> DNA

<213> Homo sapiens

<400> 787

```
gaattcggcc aaagaggcct agtgattata aaattccatt tgattctttg tttttctcaa 60
attgcataag cagtgaagtag gaagaagatg atgaaccaca ggaggagtag tcagaagggg 120
agaagaacga gaaaagtaat gtcacagact gtgagggaaa attatccaca aagatgggat 180
gttacagtgc cagatgagct cgag                                     204
```

<210> 788

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (18)

<220>

<221> unsure

<222> (181)

<400> 788

```
gaattcgggc aaagaggnet accccagctg atcttgaact ccagagctca agtgatcttc 60
ctgtcttgcc ctcccaaagt gcttgaatta caggcatggg ccacagtgcc cagctgggaa 120
tgatttttag acagcaatct tagtgcttgg ttaatttttg ctttgcattt taaacatgtc 180
ntctctgttt ttttcattcc ctttaccatt tataattttc ttcattatct cactatgaac 240
taatgtaaac acaaaaacatg ttcattcctt gaatgtaagc tacacactta aacctttttt 300
gatacacttc ccagtttctc tgatgccata tgaaaaaact tggatttctc tccagattcc 360
tccatatctt gtctttctgt ggatggctca taaagtgtgc gtgtatgtgt gttgtgtttg 420
ctagatacat tataattatt gttatttatt tatTTaaaga aaggatcttg ttctgttgca 480
gtggcatctc gag                                     493
```

<210> 789

<211> 151

<212> DNA

<213> Homo sapiens

<400> 789

```
gaattcggcc aaagaggcct acgattgaat tctagacctg cctcgagcta tgcgttttga 60
ttttctgttc cagcctctga atgttatctt caagttgctt gactctgaac tcatcctctt 120
cagactgccg cctcctgact tccccctcga g                                     151
```

<210> 790

<211> 360

<212> DNA

<213> Homo sapiens

<400> 790

```
gattggctgt tagctttgag ctcagagaga aaaatacatt tagaagtttt tattgtgttt 60
cttttagtta cggtagccta gaataagggg acttaaaatt ggarcccttg aaattatatg 120
ttaattttta aaataagttt attaggggga aggttctgta tcttttatca aaattgcaaa 180
ggagtctgtg aaataaaaag tactcagctt agattctaca gtatttcaaa ctgtcttttt 240
ggattttttt tttagagacag tcttgctctg ttgccaggc tagaggacaa gtagtgcggt 300
cttgactcac tqcaaccttc gccctccatg ctcaagctat tattctcatg cctactcgag 360
```

<210> 791

<211> 281

<212> DNA

<213> Homo sapiens

&lt;400&gt; 791

```

gaattcggcc aaagaggcct agagggatgg agagagagat gaaggaaactg cagacccagt 60
acgatgcact gaagaagcag atggagggtta tggaaatgga ggtgatggag gcccgctctca 120
tccgggcagc ggagatcaac ggggaagtgg atgatgatga tgcagggtggc gagtggcggc 180
tgaagtatga gcgggctgtg cgggaggtgg acttcaccaa gaaacggctc cagcaggagt 240
ttgaggacaa gctggagggtg gagcagcatg agcaactcga g 281

```

&lt;210&gt; 792

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 792

```

gaattcggcc aaagaggcct acagggtgact cgaatgaact ctgcattttc aacgtgcctt 60
ctactgcttc aggacctggg ggccccctg accctcactg gcttgcccc agccttgggc 120
ctggccccac ctgtcctgga gccacagagcc cctggccttg agctgcctct ctgggggtggg 180
ctcaggccc caccctctcc tcttttgagt tcagtgcctt gctcagcccc tccccgtat 240
ctcagcgtct tgagacctct gacagagcga caactcgag 279

```

&lt;210&gt; 793

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 793

```

gaattcgcgg ccgcgtcgac ctaaaccgtc gattgaattc aaggcctacc tgggaagaag 60
taaaagagca actagaaaag gaaaagaaag gctccaaggc tttggctgaa tttgaagaaa 120
aaatgaatga gaactggaag aaagaactgg aaaaacacag agagaaattg ttaagtggaa 180
gtgagagctc atccaaaaaa agacagagaa agaaaaaaga aaagaagaaa tctggtaggt 240
attcatcttc ttcttcacaa agctctgatt cttccagcag ttctttctgat tctgaagatg 300
aggataagaa acaaggaaaa ctcgag 326

```

&lt;210&gt; 794

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 794

```

gaattcgcgg ccgcgtcgac gacaccatgg ccaagctcat tcttgtcaca ggtctggcaa 60
ttcttctgaa cgtacagctg ggatcttccct accagctgat gtgctactat accagttggg 120
ctaaggacag gccaatagaa gggagtttca aacctggtaa tattgacccc tgctgtgta 180
ctcacctgat ctatgccttt gctggaatgc agaataatga gatcacttac aactcgag 239

```

&lt;210&gt; 795

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 795

```

gaattcgcgg ccgcgtcgac attgaattct agacctgect cgagtgaagt acccaatqag 60
gaacctaaaq ttgcaacagc ttatagaccc aaagctcgag 100

```

&lt;210&gt; 796

&lt;211&gt; 714

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 796

```

gaattcgcgg ccgcgtcgac ctagctagct aaaaaaatc cttggggctt ggagtcacat 60
aaattatttt caatgcctgt tatttcactc ttgattttcc acaagatgac aagcctcttg 120

```

```

gagataacct cttgtatcta ctttccaggt tattagatac attattttcc caggtaacatt 180
atagtttccc agatacatgt atagctttcc cagaracglt atttttccat tatatagcaa 240
aattttacat ctgtggatta gaaattaaat ttcacaaaagc acctaaagaa gtcttaactg 300
ttctaaatct taagtgaata aagacctggc atgtgtttgt gttgtgtatg tctctctgtc 360
tctctgtgtg tgtgtgtgtg cgcgcgtgcg tgcgtgcgca ttggtatcag ttctgaaagt 420
gtatattggg gtctaagtta ggctcatgct ctcagaaaatt tgatgcaaca tgcttggatt 480
atcttgttca atatgagagt taaaaagtac attatagtgc tattttggaa aagaaagaaa 540
agcttttcag tagtaacctc acatttttgc ttgtatatgt taccttttgc ttctttttct 600
tacacacgta taaaaagta cataatgata atgggtatcat tattgttgtt tttgttaacc 660
ctcatggatc actgtttccc aggtttctctg ctaagtacca tacatgctct cgag 714

```

<210> 797

<211> 180

<212> DNA

<213> Homo sapiens

<400> 797

```

gaattcgcgg ccgcgtcgac gagggaggtg gtggtagttt gtgtttaata tttctagtta 60
agctggtgag agaagagagg aggaaaggtt tcctaaggaa gtagatagct gaqttgagtc 120
attagagata aataagagct aatgagaaaa tatgtgggca gtatagtgtt gggactcgag 180

```

<210> 798

<211> 165

<212> DNA

<213> Homo sapiens

<400> 798

```

gaattcgcgg ccgcgtcgac agggcatctt gatatgctgc tcagtctctg ccttcttctc 60
ttccagatac actgtgcaga tgaagtcacc ggcattgctg gtccactgg cagtgccagc 120
cacgcgcac ctcacaatgg cagtgatctc ccccgctgc tcgag 165

```

<210> 799

<211> 422

<212> DNA

<213> Homo sapiens

<400> 799

```

gaattcgcgg ccgcgtcgac gaattctttt taaattttat tctggttggg attggctggg 60
cttctgaaat cttgtggatt tttatcttcc taagtttggg aaaatttttt cagccatttt 120
cttaaaatca agcttttccc catttctcct tcttccctga gactacattt aaatataatg 180
tagactttct cactatatct acttctggtt tctttttgta tttaccaacc ttttttcttt 240
gtttgttgaa acaaggcttg gctctgttgc ccaggctgga atgtagcggg atgatcgtgg 300
ttcactgcaa cctctgcctc ctgggctcaa tcgatcctcc caccctagcc tcccaagtta 360
gctcgcattg catgccacca ttcttggtta gtttttltat cttttctaga gacagactcg 422
ag

```

<210> 800

<211> 329

<212> DNA

<213> Homo sapiens

<400> 800

```

gaattcgcgg ccgcgtcgac cccccaggt caagcaatcc tcccatttca gctcccgtg 60
tagctgggac cacaggcatg tgccaccaca ccttgctaag ttttgttttt tgtttgtttg 120
tttgttttgt agagaaaggt ttttgccatg ttgtccagat tgggtctcaa ttcttggaact 180
caagcaattt gccaccttg gctctcctaa ccgctgggat tgcaacgatg aaccacctca 240
accagccata ttctgtttct attataaatg atgagattaa gcgttcagac tgctgtttgc 300
aaacagtttt cacaaatgtt acactcgag

```

<210> 801

<211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 801  
 gaatttcgagg ccgcgtcgac gtagaacagt gattactgga ggctgggagg aaagggaggt 60  
 ggatatggag aggttggtta acagatacaa aattacggct agataaaagg aataaqtctt 120  
 agtgtctgtg gcactgtagg gcgactagag ggtgtagtta acaatttact gtataatttc 180  
 aaatagctag aagacaggat ttctaacttc cccaacacaa agaaatgata aatgtttgag 240  
 gtgattaccc tgatttgatc attacacact gtatacctat atcagaatat cacactgtac 300  
 cccataaata tatacaatta cctatcagtt cttaataaat aaattttcaa aaaccacaat 360  
 atttttttga atgagactct acctaaaatt ttattatggt ctctctttat ggctctcttt 420  
 tgggaaaaca ctcgag 436

<210> 802  
 <211> 725  
 <212> DNA  
 <213> Homo sapiens

<400> 802  
 gaatttcgagg ccgcgtcgac atgcacttta ggtttggttt tgcacttttg atagtatctt 60  
 tcaaccacga tgttctgggc aagaatttga aatacaggat ttatgaggaa cagagggttg 120  
 gatcagtaat tgcaagacta tcagaggatg ttgctgatgt tttattgaag ctctctaact 180  
 cttctactgt tcgatttcga gccatgcaga ggggaaattc tctctacttt gtaqtaaacg 240  
 aggataatgg ggaaatcagc ataggggcta caattgacgg tgaacaactg tgccagaaaa 300  
 acttgaactg ttccatagag ttgatgtga tcactctacc cacagagcat ctgcagcttt 360  
 tccatattga agttgaagtg ctggatatta atgacaattc tccccagttt tcaagatctc 420  
 tcatacctat tgagatatct gagagtgcag cagttgggac tgcattccc ctggacagtg 480  
 catttgatcc agatgttggg gaaaattccc tccacacata ctgctctct gccaatgatt 540  
 tttttaatat cgaggttcgg accaggactg atggagccaa gtatgcagaa ctcatagtgg 600  
 tcagagagtt aqatcgggag ctgaagtcaa ggtacgagct tcagctcact gcctcagaca 660  
 tgggagtacc tcagaggtct ggctcatcca tactaaaaat aagcatttca gactccaacc 720  
 tcgag 725

<210> 803  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 803  
 gaatttcgagg ccgcgtcgac ttctaaaatt ttatataaat agaatcatat agtaagtact 60  
 tetgttgcct ggtctctatt actcagaqta attgttgata tttatccatg gtgaagcatg 120  
 tgtcagagtt tatctctttt tattgctaag cagtggtcca ttgtgtatct gttttactac 180  
 agtttgtcca ttacactgtt ggtggacctt ggggtgttct tgggttttgg ctctacacct 240  
 aqaagctcct atgaacattt gtgtacaagt tttggtattg ttaaaagttaa actcgag 297

<210> 804  
 <211> 701  
 <212> DNA  
 <213> Homo sapiens

<400> 804  
 gaatttcgagg ccgcgtcgac aaaagggtta gtataagaaa atatggcaaa cacatcaaaa 60  
 cagttgtatg gtgcaggaaa agaagatttg aaaaagacca aaacacactt ctccagcaac 120  
 actccatcag ctttttlaaaa tttagagcta tetgctaatt ttttccctct tctttctcaa 180  
 taaatgaaac aaacactggg cagctgcagg tttctcccaa tcatgtctct ttatqtaaaag 240  
 acagtaacat gcaaacactt ttagtcttaca tccctcattc acagtgtaaa gcaaggaaatg 300  
 gtgtgggaga tgtgagacca ttctgaggtc agcgatagcc caaaggctct gcagtattcc 360  
 ctccaatggc caaggattcc gtgtgtcalt tgcaggagtg agtaggcttg ctgtatttct 420  
 tgtaactgct ggggtgttaca aaataagtta caatgtttta cacttttaaa aaaaaacaga 480  
 aggaacattt gctttattgg ttacttacta gtttagcttc taggttatgg cacagcatgc 540



```

taaaaaaatca tgtgttttaa agtaaatgtt ggtaaaatgc tggcatctgg tcttattgtg 600
ttgatgcatt ttcacttctg tggatcatagg aaatggactg gtctaaagaq agtgaggcac 660
aacacaagca gggcattagt ttgaatagga agtctctcga g 701

```

<210> 805  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

```

<400> 805
gaattcgcg cgcgctcgac ccaacogtcg attgaattct agacctgcac tccagcctgg 60
gcgacagaac aagactcctg ctcgaaaaaa ataaaaataa ataaaaataa atatatatag 120
tgtagtatca aaggaaaaca gcaaaacttt aaatatattgc tttgaaaatt aactgttttg 180
taggttaaga gcacagtgtc gcagcttttg acttaacata attaatccag atgttagcca 240
tacatacett ttccatctgc cttctcgag 269

```

<210> 806  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

```

<400> 806
gaattcgcg cgcgctcgac cgtcgattga attctagacc tgcctcgagt gttgtgtggc 60
catgggggat aggaggttgg ctgttatcgg cctctgctcc tgtgggtttt actccttctt 120
ggcctacctg ctgctcttcc agtctccatt ccccaacctt tctctctctc gcagccactg 180
tttgatgctg gactgcagga aaatagtcac cgatgcagga gtgtccaggc agtgttccca 240
ccaacagtac actctcgag 259

```

<210> 807  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

```

<400> 807
gaattcgcg cgcgctcgac ggacagggga ctgggcagaa aataatattg tagaaggtag 60
aacagcattt ctttgggagg atttatcttt ttaagtatat agtgggtctt taccactatc 120
ctacaacagg ttgcaggaca aataatgtat tttaatcttt gggggagctt ttgtgtaagt 180
cagaccttat tcattttcat tccaacaacc ctcgag 216

```

<210> 808  
 <211> 705  
 <212> DNA  
 <213> Homo sapiens

```

<400> 808
gaattcgcg cgcgctcgac acctgcctct aaataaataa ataaataaat aaataaaaaa 60
aaaggcaaat ctgatcaagt catgctctgg gataaaagct ctaaaggctt caccctttgc 120
tttaggagaa tgettgccc agcctggaag atcggggcct tccccctcc ccaagcctt 180
ctctccagc ccccccctt cactgtatc ctcccacaga tcaactgaga tataaatata 240
actctccac taaaaatatt acgggtagaa glaacactga ggaaggctag aaatggatat 300
aagaaaactc attattgact aaaatgcaca aaagaatcaa atcttqacca cgaatctttt 360
tttttggtt taatttaaat ctccaaaaa ggaatggggt taccagctca atcacacaa 420
ggcagaaaact cgtgtcaaga gctgcagcc cccacactga tggatgcctc caatctcagc 480
agcagaatgt gtacggaate gatgcagatg aaaacagttt cagtaaaatt acaaaagaat 540
gaaaaacatg gacatttgtt taactgtact acaggggaaa aacaaaaatc tgatcaaaga 600
attaaagttg atgaatagag ttcaagctgg agaacacctt cttaaaacat ttccagggtt 660
agtatgtttt ggttttaaat gtttgcattc aaggttctcc ctata 705

```

<210> 809  
 <211> 230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 809

```

gaattcgagg ccgcgtcgac gtgagctaaa gcagtcattt ttttcattga gcaccacgaa 60
agaacaaaag acatataaat tatggttatg caaagtaaaa tatacaacat tttcttttct 120
ctcctttttt tttttttttt tttgagacag gtcttgctct gtcacccagg ctgcagtga 180
gtgggtggtgc cactactgct caacacagct tctatctccc aggactcgag 230

```

&lt;210&gt; 810

&lt;211&gt; 544

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 810

```

gaattcgagg ccgcgtcgac cgtcgattga attctagacc agcccgccca acacagcgaa 60
accccgctct caccaaaaaa atacaaaaac cagtcaggcg tggcggcgcg cgcttgcaat 120
tgcaggcact ccgcaggctg aggcgggaga atcaggcagg gaggttgag tgagccgaga 180
tggcagcagt atagtcacgc ttcggctcgg catgagaggg agactgtgga aagagaggga 240
gagggagacc atggggagag ggagagggag agggagaggg agaggacggt ctgcttttaa 300
aatgggaaat atcagtattt gaggcgaatga agtcaaaatt gacctaatga gatgttgata 360
cgattctttt cctgaagctt taatacactt acattttttt ttttggaac tcactttcat 420
tctgtacatt tatactgtac ctattttgtg ttgtcagatg tacgtgtgtg agttactgat 480
ttctctcttc acacatggag acacttgga gccaatcagc ccaccaggaa atagggtccct 540
cgag 544

```

&lt;210&gt; 811

&lt;211&gt; 714

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 811

```

gaattcgagg ccgcgtcgac ccccaacctg ccgcgatgcc ctatatctca gacaagcacc 60
ctcgacaaaac cttggaagtg attaaccttc tgagaaagca ccgggagcta tglgatgtgg 120
tgctagtgtg gggcgccaag aagatatatg cccatcgagt catthttgtc gcctgtagtc 180
cctacttccg agctatgttt acaggagaaat tggcagagag ccgtcagaca gaagttagta 240
tccgagacat tgacgagagg gctatggaat tactgattga ctttgcgtat acctcccaga 300
taacagtaga agagggcaat gttcagaact cttctgccag ctgcttgccct cctccagctg 360
gcagaaatac aggaagcctg ctgtgaattc ttaaagagac aattagatcc ttctaaactg 420
ctgggcattc gggctttttg tgacacacat tcatgtcgtg agttgctaag gatagcagac 480
aagttcacc caccataact tcaagaggta atggagagtg aagagttcat gttgcttcca 540
gccaatcaac tcattgatat aatatccagt gatgagctaa acgttcgcag tgaagaacaa 600
gtgttcaatg cagtgtatgg ctgggtcaaa tacagtattc aggaagagag ccttcaatta 660
cccaggtgac tgcagcatgt cgttttgctt ttgcttagtc ccaagccctc cgag 714

```

&lt;210&gt; 812

&lt;211&gt; 309

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 812

```

gaattcgagg ccgcgtcgac acagaaaagg gcttgggtgg acaaaattat aagggttgg 60
aaacatacaa agtgccaaaa gcttatagct atcattctta ttacttgttg gcaggtaaat 120
atthttgtga aagtatttgt ctatttttat ttttactttt tgaggttgag tctcgccctg 180
ttgcccagac agcagtgcag tggcgcagtc cgggtccact acaacctctg cctcccgggc 240
ccgagtgaat ctctgtcttc agctctccaa gtagctggga cttaaaggat gcacaccat 300
cacctcgag 309

```

&lt;210&gt; 813

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 813

```

gaattcgcgg ccgcgtcgac gtcgattgaa ttctagacct gccctgatga atccccgaac 60
ctttccaaac acgtctcatt tattagttct aatatctttt agtagattcc ttagtggttt 120
tttttgtttt ttgttttttt ttaataatat aaaggatcat gtcattctgca aactcgag 178

```

&lt;210&gt; 814

&lt;211&gt; 342

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 814

```

gaattcgcgg ccgcgtcgac aaccttcttt tgtttgtcag cagccaaggt gtttccagga 60
agttcagaga gaacagaatt taagaagtgc aacatggcca ggggctgcct ctgctgcttg 120
aagtacatga tgttcctctt caatttgata ttctggctct gtggctgtgg gctgctggga 180
gtgggcctct ggctctccgt gtcccaaggg aactttgcc ccttctcccc cagcttccct 240
tcgttgctct cagccaacct ggtcatcgcc ataggcacca ttgtcatggt gacgggcttc 300
ctcggtctgc tgggggccc caaggaaaac aagtctctcg ag 342

```

&lt;210&gt; 815

&lt;211&gt; 668

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 815

```

gaattcgcgg ccgcgtcgac gtgtgccttt gctgttgaag agtccggaaa cttaatcaaa 60
aatagatgtg aggggttctgc tgcactgtac tgggtgtcta aactatacta gacgtggggc 120
ttagaagagc tcccccttcc acatagaaaa gctctatggg gttggatcac tctctacaga 180
ttcttctttt gaatccatt ggctctccca gttgttcttg acaccatag ccacagagaa 240
ggagtcacaa agtgaagccc tcagcttgtc cttctctaa gctctctgag cctcagtggc 300
ctcatctgaa cagtgcagat gatagttacc acttcatagg gctgcctaga aaacaaaatc 360
cagtagtggt aaaaacacct catagccat cgtagatgct caagaaagtt ggctgggtgt 420
actcacatcc tgcctcagcc cctaggtctg ccccatctct gacagtcctc caacttggtc 480
tctccctgct ccttgctccc ttctctctag ggtttgctga gagcagaggg agagaaaggg 540
tgggtgggtc gtcacccttg ctggctatga caggttgcag tcatgggtgg aaaggagaca 600
gcatacctct taagcactct cctgagattc atgatggaca ctcctccagc aacgcagggg 660
ccctcgag 668

```

&lt;210&gt; 816

&lt;211&gt; 344

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 816

```

gaattcgcgg ccgcgtcgac ggcagatggt gtgaagaggg attgtgagct aagtgtatag 60
gtgaggtgag ttaataaaa agtgaatttc tggcctaaa tggtagggcc tcatgggtatg 120
caggaaaatt taattaagtg gccaccactc ttcccccat caattggatt ttcttctgcc 180
acagtaagaa gtcattccagg atatgctggg ggggcactta gatgagttc ggtccgttga 240
gtgttttcat ttcttgatat tctaattgcc agcgaggauc cttgaacgta agaaaaatcat 300
gtgaaaacttc atcaaaaatt aataatcacc aagcaggact cgag 344

```

&lt;210&gt; 817

&lt;211&gt; 163

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

<222> (135)

<400> 817

```
gaattcgcgg ccgcgtcgac gggggggctt ttattaatat tgtcacacca caccacacca 60
cacacacaca ccacaccaca ccacaccgtt tgaaagctgc atcaagctgt gcacaaacat 120
gatcgcagtg ctgtntttgt taagcctcgg ccttcccttc gag 163
```

<210> 818

<211> 319

<212> DNA

<213> Homo sapiens

<400> 818

```
gaattcggcc aaagaggcct aaacaaggga tttgaacgtr tttcagcaca aaaggataac 60
ttccgagtgg tggctctgtac gcatactagc aaaggtaatg gtgatctagc aaacaaaatt 120
ggtttcttcca gttagaagtg agcaggagca cttgtattat agtattttaa taatcctggg 180
taatctcttt ttaagccgag taacctctcc agattttgcc tttttattat tgaggctggc 240
tttattttct tctacttttt tttccgtttt atagcagtta attatttttg tgattattat 300
gcaagaagca ttactcgag 319
```

<210> 819

<211> 393

<212> DNA

<213> Homo sapiens

<400> 819

```
gaattcggcc aaagaggcct acagagaact gaatagatga ggggtgttga aagaaacggt 60
tttgggcatt gtgtaaaagg atgcttgagg gattctaaagg aggctgggtg gtggctggaa 120
ctaagtgtgg ggtatgagagg tactaggaga ccacatgaga ccatgtaggc cactgttagc 180
agttagtaca atggtaaatg agtagaagga ttttgaacag caagattgct atgatcttac 240
ttaacactta taaaagagtc actcctatga cttttgtagg gtgagtaagg tataglaata 300
tcaatagaaa tgaacatgct ttgcatttgc catgtgtcag gtattattat tattatttat 360
ttaacttttt tttgagatag ggatccactc gag 393
```

<210> 820

<211> 270

<212> DNA

<213> Homo sapiens

<400> 820

```
gaattcgcgg ccgcgtcgac gaaggataag aacaagtcgg agatgtccgc ccagagggtta 60
atttctaaca gaacctccca gcaatcgga tctaattctg attacacctg ggaatatgaa 120
tattatgaga ttggaccagt ttcccttgaa ggactgaagg ctcaataata ttccattgtg 180
attggatttt gggttggtct tgcagttctc gtgattttta tgtttttgt gctgaccttg 240
ctgacctaaag aaggaacccc acacctcgag 270
```

<210> 821

<211> 163

<212> DNA

<213> Homo sapiens

<400> 821

```
gaattcgcgg ccgcgtcgac ctacatagtt ctttctgaat acaaattctc gataaaacac 60
tatctcagtg atcaaccagg ttaagcaacc tttttagtgc ctcaattatt ccatttgtaa 120
aattgtaata atgatagtag taacctataa gattattctc gag 163
```

<210> 822

<211> 200

<212> DNA

<213> Homo sapiens

&lt;400&gt; 822

```

gaattcgcg cgcgctcgac attagaagct ctagtgaqtg aaqtttggtt ataacttgaa 60
aatatactaa gatggaacca ttaaaaacag taataatttc taltatcttt catttggtca 120
agaatgataa aaagcatcaa ctagaaggga aacttcaaga tatcagatgt cgattgacca 180
cccaaaggca agatctcgag                                     200

```

&lt;210&gt; 823

&lt;211&gt; 284

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 823

```

gaattcgcg cgcgctcgac ccaataacaa ccacactgtc tacttcagtg gggaaatacc 60
aaccctcctt caccgaacca gaaagaaatc tgtaatatga gattccctga cagtgtagaa 120
acctagtctt gtgtagtatg gttgttttgg acatttgtaa atttattttt aaagttttat 180
ttgtatatat ctttttgaga caggattttg cctgttcagc caggttggag tgcagtggtc 240
tgatcatggc ccaactgcagc ctcaatcccc caggctatct cgag                                     284

```

&lt;210&gt; 824

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 824

```

gaattcgcg cgcgctcgac tattgtggta ctgtttataa tttattgggt cttctaggac 60
cttagtggga gttggctact ttttgggtac acactaagta gtccagact gttttaaaaa 120
tgcttgcttc tgctgtatat aggtttttat ttatttggtt gtttttggtg ctgcttttgt 180
ttcttcctct ggtgttgggt gacattttta actatcatag ataccctttt ctaaagcagt 240
ttctatctcc tgggtccacc cccctccacc tcgag                                     275

```

&lt;210&gt; 825

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 825

```

gaattcgcg cgcgctcgac catctgggta tttggaaaca agtggtcatt gttacattca 60
tctgtctgaac ttaacaaaac tttctactct gaaacaggca caggtgatgc attctcctgc 120
tgcttgcttc cagtgccttc tttccaatat agatgtggtc atgtttgact tgtacagaat 180
gttaatcata cagagaatcc ttgatggaa cttatatgtg tgttttactt ttgaatgtta 240
caaaagggaat ctcgag                                     256

```

&lt;210&gt; 826

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 826

```

gaattcgcg cgcgctcgac agagcttaaa ggctggatta tgcataatct aacttttttt 60
attttagtga aaacgattca aatttcaaca catttaataa taaatgagaa aatttcagta 120
gataagcata gaacaaatgt aaaaagaaat ctcttcaacc aagattgtac tattgtatgt 180
ggtctaaagt aaagtaatat ttttactcag aatgggtgaat taaagatact gggagctctt 240
gaaatgcacc ctattccaaa aatgggggta ctcgag                                     276

```

&lt;210&gt; 827

&lt;211&gt; 169

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 827

gtccttgtgc tgaggagaag datgtttatt ctgatatcca ttgatgaaa tgttctgtaa 60  
 atatctatta ggtccatttg ttgtacagta cagattaagt ttgatgttcc tttttgattt 120  
 tctgttattg gaagatctat ccaatgctga aagtggggcg agtctcgag 169

<210> 828  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 828  
 gaattcgcgg ccgcgtcgac catcaagtct acaagaaaat taaaggagtc ttgattaac 60  
 agtggttttt caaacaaccc ttgtgtacaa ctacagtaagg aaaaagtcca gaaaaaacgc 120  
 tacagaaaac tgaagactac ctttggttaat gttactttctg aatgcgctcg ag 172

<210> 829  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (251)

<220>  
 <221> unsure  
 <222> (264)

<220>  
 <221> unsure  
 <222> (274)

<400> 829  
 gaattcgcgg ccgcgtcgac gctgctctga tgacttttaa aaactgattt gtagggattc 60  
 tttgtgtaaa cactaatgct tgatctgata tatcaaatg tgtgaatgct taacagacca 120  
 agcattagta ttacacacat catgtgcarg tgtacatgtg tgtgtgtgtg tagtatctta 180  
 tgcattctac cctagaggat gccactcagc taactttatt tttattatgt atataataat 240  
 caggggtacac natatctgtt ttntgaaaa gctnaactat acagcagaat ctatctactt 300  
 tcatttcctt agtttgaagg tgagtataca aaattcacia tctctacttt gaataatctt 360  
 gaaataaaaac atgagattac tcgag 385

<210> 830  
 <211> 246  
 <212> DNA  
 <213> Homo sapiens

<400> 830  
 gaattcgcgg ccgcgtcgac tatcttlaaac tcttgaaata gatattctaa acaattttaa 60  
 attaaccttg ataacaaca gttccccaat tagcactggc cattggacca tacttggagt 120  
 tacattgttg tagtgtgaga ctttcatact ttttttaaaa ttgtcacttg tattaagaaa 180  
 tacattttac attttcatcc agtqtctatc catatacaca tgtacataac tgaacaata 240  
 ctcgaq 246

<210> 831  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<400> 831  
 gaattcgcgg ccgcgtcgac ctcctttggt cattttttaa ttggattatt tgtctttaa 60  
 ttttagatac taatccctta ccagatattt gatttgcaaa ctttttctct tctttgagq 120

```

ctgccttttt attttgttgt ttgtttcctt tggcacgctg aagcttttta gtttgagcta 180
gtctcattta tttttacctt tgtagctaag ctttttgtgt attacccaaa aaatcattgc 240
caacaccaat gttgaggaac tttcctccta tgttctcttc tagtttatgg ttttgggtct 300
tatatttagg tcattcactc gag                                     323

```

&lt;210&gt; 832

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 832

```

gaattcgcg cgcgctcgac gggagtcata tacagacttt tgtggatttc atgttaaaaa 60
aaaaaaaaatc attgttataa gagaacacac tgttttgtta aaaaaaaaaa tcttttttgt 120
tgtgcataat tatttacaca catatattca tgtgtactcg gtctcaatat caaaatattt 180
cttacagtta cttatgggtca aactgtttga aatactttga ttttaatttt ctgggtgtggc 240
ttttcagaca ctctggaaaag cagaactaag aaatgatttc tggggtatat ctaggaaatg 300
tcacctcagt tatagcccag aaacaactgt ggcccgaactc gag                                     343

```

&lt;210&gt; 833

&lt;211&gt; 383

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 833

```

gaattcgcg cgcgctcgac cttttaaaac gttgtccgca tttgtactca gtgggacaca 60
tcttagggcc tgcgtatccc tgcaaagtat agaatactgg aatcagaagg aagctttctt 120
ttccccctac tgtttagtct ttttgggagg aaaaagaccg gaaattttgtg gtcattttaga 180
tgttcattaa cctgggtcgca ttcattcacta gtccatttca gctccgagga tgtttaattt 240
cagtcctctt ccagggtttgc atgcttcagt cctcttctgg gtttgcattc ttcagagggt 300
ctcggcactc agtctcctta gaactgtctt cttccaaatc ttccttaact cttcttccgg 360
gtcctatccc cccttccctc gag                                     383

```

&lt;210&gt; 834

&lt;211&gt; 191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 834

```

gaattcgcg cgcgctcgac ctccagaagg gaattgttgt gcttgagcct cttttgagct 60
ttaaaaagg caaggaaaagg cactgtacgg agtgttttac ttttgacttt tttttcatga 120
ctacaaactg ttggatattg aaaaccttgc atttacttgt gaattgccag tctgtgtttg 180
cgtcactcga g                                     191

```

&lt;210&gt; 835

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 835

```

gaattcgcg cgcgctcgac tgtcatttca tttcggtttc tttctctcgc atgtttttct 60
gtcggaattc cggttcgttt tgggtctatg tactctctaa aatgtttatg tttttcatga 120
gtctactaat tttcgtgcac ttgttactac tgagttttct aatatctgac tggcctccgc 180
ccacgggtct cgag                                     194

```

&lt;210&gt; 836

&lt;211&gt; 206

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 836

```

gaattcgcg cgcgctcgac gtttgagtct tctgatgtaa aacattttaa cagggaaatt 60
tctgctgtcc tcagaacaag atctgtattt ctgcctcttc cttacccacc cctcttccac 120
acctcataat gttatttatt tttttctctt ttaqtagggca gttttatctg gcaatagcaa 180
ctcaatttta tggcaacgcg ctcgag 206

```

<210> 837  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

```

<400> 837
gaattcgcg cgcgctcgac tgtgcgtgta tgtatgtgtg tgtgtgtaga cgttgtcctg 60
aggttcatac gctaaaaata tataataaagc aatccctaca aaatatttca aaccaggcaa 120
atgacttctg gaagagagag aaaggaagag ctcgag 156

```

<210> 838  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

```

<400> 838
gaattcgcg cgcgctcgac gcatttgatt ggtagagtg gttttagaat gctttttgaa 60
ggaaaaataa aatggacaag atattgaaga atagggggaa tttggccatg agtagaagac 120
aggagacttt tactgaaact cactccttca acctgttttt cttttattgt cgtacttggc 180
accatgtctt tatggttgc tgtccttatt tcaactgtatg ctcaactctaa tcttttagga 240
aattgcaaaa ctattaaaaa ttgccatagt acaaacctcg ag 282

```

<210> 839  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

```

<400> 839
gaattcgcg cgcgctcgac gcaaaacatc catcttatcc gacccctctt tgcaggcaaa 60
gggaaacagt tggagagaaa aatggtacag cagttacaag aggatgtgga catggaagat 120
gtctcttaaa aatctctgta accatttctt ttatgtacat ttgaaaatgc cctttggata 180
cttggaactg cgactcgag 199

```

<210> 840  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

```

<400> 840
gaattcgcg cgcgctcgac ctaaaaccgt gallgaattc catgcccctg tctctctgtc 60
tttatgtgth gcatttctc tgcctctgce ttgggtcttc tttctcagag tgtctcttga 120
tctctaaact tctctcttct ctcgag 146

```

<210> 841  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

```

<400> 841
gaattcgcg cgcgctcgac caccctaatt atcgggttgc ggcacaacgt gattaagaca 60
ggtgtacgca tgaacagcct ctctatttcc cgaatctctt tgggtgacat cgcacagaag 120
ctgcagtgtg atagcccaga agatgcagag ttcattgttg ccaaggccat ccgggatggc 180
gtaattgagg ccagcatcaa ccacgagaag ggtatgttcc tgcag 225

```

<210> 842



<211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 842  
 gaattcgcgg ccgcgtcgac cctaaacctc gactacatat tctgaaccag ccaggggaagg 60  
 gtgagttagt tgtttctgtt ggtcaactga atctcaggta tctttggtct tcctttctct 120  
 tacaatggaa gtaatgttca ggacctatct gagaccagtc ccttgctctac tgcctctcat 180  
 cctttttctt cttgttttct caatggcttt actccttctt ctcttcaaca gcatcagctc 240  
 tgccctctct tactcttttg caaagacacc caatctcgag 280

<210> 843  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 843  
 gaattcgcgg ccgcgtcgac agcttttctt tctacttgca gggtcaccaa agtgaaaatt 60  
 gagtggtcat tttttcttta ttgctgatac ctgtagcctg agaatgttac ttctagcagt 120  
 tgtcttcatt ttgtttatct ttattaatgt agaaaattat caaacccata gaaaaattga 180  
 gagtagagtg aatacccata tgccctgttc cttgggtctc cagctattaa caacctgtca 240  
 tattttctat cctcctcttc ctctcttact ctttcttttc tctctctctt tcttctcttg 300  
 tctctctctt ttgtctgacac catgtgacac ttcaccaaca tataacactt cactcctcga 360  
 g 361

<210> 844  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 844  
 gaattcgcgg ccgcgtcgac gggagacaaa gaaatatcga aagcaagtaa agaaaaaaaa 60  
 agacaccagt gatcaacaga ataaagccag aatgagattg aagttagaaa cttggctcga 120  
 g 121

<210> 845  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (69)

<220>  
 <221> unsure  
 <222> (75) .. (76)

<220>  
 <221> unsure  
 <222> (97)

<400> 845  
 gaattcgcgg ccgcgtcgac ctgggaacat ggtcaagggtg gaaggggctc ccttagagag 60  
 ggtggggngn tagtnncttc ccagttggcc aqaaaanaqq gctttgcaga cccctttagc 120  
 attttttctt ttttttctt tccttgcctt ctactttctt ggggagccct ttgtgttttg 180  
 gagtctgact ggagtctcgc atcctggggc ctgctccatc catccctctt gggcgccaga 240  
 cctcccatcc aagccctgtg tttttccata gtcagggtca ggccctgcat ctattccaaq 300  
 gggcactcag tacacatttc ataaatttagc tgggtgtctc tgcacgccca ccccatgaaa 360  
 ctcgag 366

<210> 846  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

<400> 846  
 gaattcgagg ccgcgtcgac tggttctttt atagctaata aatatacctt tatctggctt 60  
 taagattttt tctaataact ggttttaagc aatttgggta tgagggtgctt tgatgtagtt 120  
 ttatgtttct ttttattatt attattaaat ggtgtctcac tctgttgccc aggcttactc 180  
 gag 183

<210> 847  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 847  
 gaattcgagg ccgcgtcgac atcttgggtc ttgctgttaa tatcaatcaa ttgtttcacc 60  
 ttctctctcaa agtcagcacc attatgggtc gaaatcatct gtgcaagtct aatttgttct 120  
 gcagtgggct gtggcgctgt attgtgtgtt gtctgggttt ggttttgagg ttgttccag 180  
 tccccctcga g 191

<210> 848  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 848  
 gaattcgagg ccgcgtcgac gtcacctcaa gcatttatcc ttgtgtttac aaacaatcca 60  
 gttatacttt tttagttttc ttaaagtac gattaaatga ttattgacta tagtaacctt 120  
 gttgtgtat caaaaatatt agggcttatt catttatcca ttcaattttt ttggtaacca 180  
 ttaatactcc ctacccctc cctcgag 207

<210> 849  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 849  
 gaattcgagg ccgcgtcgac ggaattatct agtccccaga ttgatcatct cccctggcaa 60  
 cgtgaactctg ttttttgggt gtgtttccat gctgactagt cccctactgt taatacactt 120  
 actaattagg ctataaccag gtctttcctg gcttgagaaa tattctctta aaatgacctt 180  
 tgttttaatc tcattcatga tgttgatttt ttttcaatgt ggtgctgggc tcgag 235

<210> 850  
 <211> 205  
 <212> DNA  
 <213> Homo sapiens

<400> 850  
 gaattcgagg ccgcgtcgac cctaaaccgt cgtttgaatc ttaaaaaactt tlatattcct 60  
 tgttcataat tgatctgaca gataacagtt ttttaaaata ataattgtga ccatgtattc 120  
 gattatgctt ctgtgggttt glatatgtgt gcttatctat acatgggtact taggtataag 180  
 tgaatgaat gacagcgatc tcgag 205

<210> 851  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<400> 851  
gaattcgcg cgcgctcgac cgcagacccc acactcttct gcaattcatt tcatagttgt 60  
caagactata caaattgtcc tttttaatgt tctctcttct gctatcccta gttggcagtc 120  
ttctctttta caacctgctg aaagtggag acctccagtt ttctttaa tcttcagcaa 180  
accaccaact attatatgtc tttttccag aacaactcga g 221

<210> 852  
<211> 254  
<212> DNA  
<213> Homo sapiens

<400> 852  
gaattcgcg cgcgctcgac ctaacaatga agagtcaaga aaaagcta ttaggagaaa 60  
atatggagaa gtcttctgca agcaaggag agtcacaaga agtcagtatt gaagatacag 120  
gtgttgatgt agatccagaa aaactggaaa tggagagtaa acttcataga aatttgctat 180  
ttcaagattg tgaaaaagag caagacaaca aaacaaaaga tccaacccat gatgttaaaa 240  
ccccacact cgag 254

<210> 853  
<211> 247  
<212> DNA  
<213> Homo sapiens

<400> 853  
gaattcgcg cgcgctcgac gtcatttgac aacatccctg gcttttgttt gtttctttct 60  
gggtagagaa aaatttactt tccatttctg ataacaacgg agtcagttct ccttctgtcc 120  
gaggattttt tgaacacagc tgaatactgc tccctcgcat ttctgagaga gggcagaacc 180  
gggtcatcgt gttgcttgac agagggccat gataactgtc tacagatatt taaaggggtg 240  
actcgag 247

<210> 854  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 854  
gaattcgcg cgcgctcgac aattagtgtg catcatlaaa ttatcaaata agtataaatt 60  
agtaactctt tttttctgga taatagaagg atcttagaac actttaattc catttatctc 120  
cctcacagtt tttatgctat attgccatct acctacattc ttggtaaatt ttaaaactta 180  
gaagacatta ttattattgt tgtttgaaca gttaatatct attgagagtt acctatatat 240  
ttgccacctc gag 253

<210> 855  
<211> 318  
<212> DNA  
<213> Homo sapiens

<400> 855  
gaattcgcg cgcgctcgac acctgectcg agcctaggtt gctctcttct acctaatata 60  
cccagtttat aaatgggact cagttataaa gtttaggtcc acctcttcca qgaaattttt 120  
tcttgacacc tcttctctcc caatctcgtt tgggtactct agcatrtgtc ttccacctt 180  
tgcacagagc aatcatcatg tttaccacat ctactattaa tataattgtt tctgtgttt 240  
tctctctcac aagattttat ttttttagat gaggtgttgc tgtgttgcct aagctggact 300  
tgaaccccta ggtctcgag 318

<210> 856  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 856  
gaattcgagg ccgcgtcgac aggtttcagc ttcttcctga tccaatcttg ggtgggttga 60  
tgtttcagg aatccatcca ttttttaaatt ttttttttag cttttttagt ttgtgtgcat 120  
agagggtgtc ataacagtat ctgaaggctt ttttgtatta ttgtggagtc agtggtaattg 180  
ttttctttgt cattttctgat tggatttatt tggatctact ctcatttttt ctttattagt 240  
ccgctcgag 249

<210> 857  
<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 857  
gaattcgagg ccgcgtcgac aggtattccaa tcaatataaa tatatatata tatatacaca 60  
cacatatata aaaagtataa tttttctatt ttgttttttg gttttaattt gcagagattt 120  
gctgccagga atcaattttg aggggttcaga tttagcttgg aagaaaaaaa agaaacatac 180  
atccttcagt ataggagatg agggcactcg ag 212

<210> 858  
<211> 426  
<212> DNA  
<213> Homo sapiens

<400> 858  
gaattcgagg ccgcgtcgac caaaaaacaa aaaaagaaaa ttttagaaaa agaaaataaa 60  
ttgtaaatatt tcagaatatt tgttggggag gatattgtgtg ctcaagaaat acatactgag 120  
aacttaccat tgatgctaga gattgaattt ccccatgtct acatgaaaaa tgaatagaat 180  
ataaacattt taaattgagc catgtctatc tgtattatat ttcttttata gaaattcatg 240  
gaaatgggtat attttaactg aattattaac actggggaca ataggcttta atcattatct 300  
aatacctgta cgttgttttg aaattcatag cccaccacca ttaatttcaa aattgggttc 360  
ttactcaaa agtgatgaaa aggcaccagl accaaatggt ctggccaaaa tgctacatgc 420  
ctcgag 426

<210> 859  
<211> 215  
<212> DNA  
<213> Homo sapiens

<400> 859  
gaattcgagg ccgcgtcgac catttgacct ttaacaaat ccttaagtaa ataaatagcc 60  
cctcagga aaactaagttt tctctgctgt ttttttgctt gagagagcta taactgtaat 120  
agacttatat ttctgaacat tttagtgtct gccaatattt ggtaaatatt atgtttccta 180  
tatttgtaat gaacattctt cttccggtag tcgag 215

<210> 860  
<211> 672  
<212> DNA  
<213> Homo sapiens

<400> 860  
gaattcgagg ccgcgtcgac cccagcctcc ctccacacag aggccaccgt catggccagt 60  
tgctgcagtt tctttccaga gaacctgtgt atgtgtaaaag ctgtacaggc gtgggtacac 120  
cacacagcct gtcttgcaat gtggactgtt gaggtaactag tacatctaga attctcctgg 180  
ctattccagg ctgcattgtt accttaacct tccctgtgat gtcttcctatgc cgttgtcttc 240  
ttatgcaaga ataagactca aatgactcca gaaagctaca ctctcctgttg tgagtatatg 300  
atatccattt cctacatag ccaactaaca cagggttttt caattttatt tatttcttgc 360  
tactttaaga aatttttltg gtgaaataca tataatagaa gttgactatc tgaatcattt 420  
ttaagtatac attcagtagt gtttaagtatc tcgccattgt tgtacaacca atctccagaa 480  
ctttttctac ttgcaaaaca aactctgtac ccattaaata acattaaaca ttccattccc 540  
tccagcctca gcaaccccat tctacttttt gtttctgtga gtttgaactat tccaagcact 600

tcataatcagt taaatcatga agtattttgtc tgtctgtgac tggcttattt ctctgagcac 660  
 agtgctctcg ag 672

<210> 861  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 861  
 gaattcgagg ccgcgtcgac ctacaagttt ggacttgttt ctggaatctg cctacttgtt 60  
 caaaatatta atagcatatg atattataaa ttaatgatta gttttatgta ttgcagaaaa 120  
 tatttaatta tctgattttt tctaatata tttttatgtt tacaatttga cttagttaaag 180  
 gatgaaaaca aagtagcaaa actcgag 207

<210> 862  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 862  
 gaattcgagg ccgcgtcgac taaacacatt atgatttttag taagacatat gcattattta 60  
 gacatgtact tcttaatat aaagatagta tttgtaattg gttttgacct tattcagact 120  
 atggtttagag tacatactaa gcaagaatta aaggctttcc attttctcga g 171

<210> 863  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 863  
 gaattcgagg ccgcgtcgac gtgttttcag aaagagaaaa catctcctgc aaagatctgt 60  
 aggttgacac ttgaaagaac aagacaaaac caaacttcaa gactatcttc ctgtttaaaa 120  
 ggagactagc aggtgtcaaa gagaggcggg aaagctcatg atacctgatg taatcagtgc 180  
 cctctctctc ctggccgcag caggatgect tcccttcaat gactcccaac tcgag 235

<210> 864  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 864  
 gaattcgagg ccgcgtcgac tagaatcgtg gatccccatg gccctccttt gtcacatttt 60  
 tctttttact gttctcttac cccctttcac tctcacttca ctctctccat gctgctgtac 120  
 taccagtatg tctctttacc aagagggtct atggagaatg tggtttccca gaaatattga 180  
 tgtcccatcg tatagggttt ttctctaaag agaccctact ttcaccacc acaaccatat 240  
 acccccgaca ctcgag 256

<210> 865  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 865  
 gaattcgagg ccgcgtcgac aattgacacg tcacactctg gtcagaaggt gtttaagtagt 60  
 tctctgtatt caaggaatga agtacaacca ctttagacca gtgctcaagg ttatactttc 120  
 cttactctgt accaattctc tagtctcacc atcgagggtt gcttgaggcc ctcagacca 180  
 tcaatgcat tctgctca ggtctcct tctgtgcaac acctgtcctt ctcttggaac 240  
 taaccaaagt tcaccattcc tcgag 265

<210> 866

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 866

```

gaattcgcgg ccgcgtcgac cattttcttt ggctgttatg tgtaaacagt tccctctgta 60
ctttgcatgt tatgttttat ttttctcttg cttgacaact tgtgccagag aaacattttt 120
ctaccccttt ttgtctactc ttccaaacctg tcaaaactgtt gaattttctt tctcttttca 180
tagtctctgc atttcttaac atgttcacta tagttcagtg ctgcccaata gaactttctg 240
ctgcggggcg ggggtgctcg ag                                     262

```

&lt;210&gt; 867

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 867

```

gaattcgcgg ccgcgtcgac atctacttct agcttttttc ctatttttggc tccggccggt 60
ggttccctatc ttcccccgac tgcccgcgct cacagtcctg ctcccttgtc ttttgcccca 120
tategtcagg tagctagttt cggttcagct gctcctccca gacagtttga tgcattctcaa 180
ttcagccaag gccctgtgac tggcacttgt gctgactgga tcccacagtc ggcgtcttgt 240
cccacaggac ctccccagaa cccaccttct gcaccggctc gaq                                     283

```

&lt;210&gt; 868

&lt;211&gt; 219

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 868

```

gaattcgcgg ccgcgtcgac aaaacgtcag aacatttggg gttttaaact gatttggtgc 60
tccctatcca gcctagacac cagtaactct tgtgttcacc aggaccaga cccttgga 120
gggataggct cgttggtgac atttgtgaatt tcagatttgt tttatccact ttttttgcta 180
tttatttaaa tggtcgatca acttcccaca acactcgag                                     219

```

&lt;210&gt; 869

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 869

```

gaattcgcgg ccgcgtcgac gtaatacaga agggagtagg taaaaaatc tgtaattctg 60
aaaaagtatt agtataaact ttaattagta ttccatcttt aaatgttttt ctggctctgt 120
ccactgaaga agcttagaaa taatgaccaa atctgttaca tccataccat tgtgatctta 180
aaatatcttt ttctactaga agaaatggct ggttgcagaa attgcttatt ccccatgggg 240
caggaagtgc acctcgag                                     258

```

&lt;210&gt; 870

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 870

```

gaattcgcgg ccgcgtcgac ctgcattttr aatatattgg ggacagattg cgtcgagacc 60
tggttatgag caagccaatc ttttgaatct agagaatgga attcttaggt ttatatttct 120
gttaagaaat actataaata tgactcttat gagaagaact ttgtgctctg tagtgctttt 180
gaatactgta ttgttggat tgatcaaggc tatttttcaa aaagctctct gcttctgtgt 240
tgtttgcttg ttgttttttg aqanagagtc ttgctcgtgc gccggggctg aactcgag 298

```

&lt;210&gt; 871

&lt;211&gt; 150

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 871

```

gaattcgcgg ccgcgctcgac cgtccctctc tctgacagaa gccatataag gtccatgagg 60
gtagagattt tcttttttct ttgtgttaat tgctgtatcc tcagcacttg gaaaaagggc 120
ctggcacttt gggatgagcg aacactcgag                                     150

```

&lt;210&gt; 872

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 872

```

gaattcgcgg ccgcgctcgac attgaattct agacctgcct ctagtgtgtg ggtgtgtttg 60
tctttttgtc tcccatcttt tggtttacat ttaaatcacc tcaaaaaata tccccctgcat 120
gtatcattca gcttctcaga gtctttgtgt ttttgtctgt gtatgtgtgt gtgtgtgtgt 180
gtgtgtgtgt gtgtgtttta aaacattttt tctttttgtt aggccacatg ctacactcga 240
g                                                                                   241

```

&lt;210&gt; 873

&lt;211&gt; 228

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 873

```

gaattcgcgg ccgcgctcgac catgtctccg tccctgtcac ggggtggttct ttctctcttc 60
ctctccctca gaagtctgcc catcctacaa ggagatgtgc aggacctcc accccgaaca 120
ggtaactcgg tgccttccac ctccatcacg cagcctgacc ctgtgagccc ctctgtgctc 180
tgtggaccgg tcacctgag ctccctcagtt gctgaaccac ccctcgag                                     228

```

&lt;210&gt; 874

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 874

```

gaattcgcgg ccgcgctcgac atattaactc aaaagaaata gggtgatttt taaaggatta 60
ataaaattct gaaatgttaa gtagaagatt acattgtcta gtcttgtatt tctctctctc 120
gttgcctctc ttcatccaca cactctcagt ttctcatatt tgtagctcat tgctcgag 178

```

&lt;210&gt; 875

&lt;211&gt; 179

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 875

```

gaattcgcgg ccgcgctcgac agtggctccg caggatatat ctgattttaa aaataggaac 60
cacaataata atagctgctt atgcttatgg agcattgcc a tggtctagat aggcaccacc 120
ctcagccctt ggcaggtctg agctccttta tttcttccaa tcaaacactgt cagctcgag 179

```

&lt;210&gt; 876

&lt;211&gt; 214

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 876

```

gaattcgcgg ccgcgctcgac caagatttta ccaaggccaa ttttagtagc ttgtttctg 60
ggtgattttg ctcgggtcaat atacagaaat aagaatgata atgaaagtga taatgatagg 120
aataataata ggaagagtag tgactttctg tttttgtgta tcaattcatt caacaaattt 180

```

gaccaagtgc ctgctacatg ccaaagcact cgag

214

<210> 877

<211> 436

<212> DNA

<213> Homo sapiens

<400> 877

gaattcgagg ccgcgtcgac gtgcattgac caacaactca tctcaaatac taaattcaaa 60  
 agaaaaactg tagttctcct cagcattagc actaatttat ggtaacaatc atttctttta 120  
 aatgtctaac ttatttaacc ccttcatttc aaactgcaaa ttaaagcatg tatttacata 180  
 ttatatatac aaaaacttca aaaacaaatt aatccaaatc ttgggtccaa agtttccact 240  
 ttataagtgg tatggtacta tgctatatat atctctcttc aaaagtctct taggacttgg 300  
 taagttccaa atattcattc acaaatgggt cccctttaag cttaatgaac catatacttc 360  
 atttctgagt aaattagagg aaatattaca gaacacgctt tgtacaatac agcaccacta 420  
 ctgagaaggg ctgcag 436

<210> 878

<211> 174

<212> DNA

<213> Homo sapiens

<400> 878

gaattcgagg ccgcgtcgac cttattttatt actgaaataa tctaaactga ataaataact 60  
 ttttaaaaaa ttacattggc cagtattagg ttcttgatgc gtatttggtg ttttgtttgc 120  
 actgctgggt ttttctctc cagtattgga tgcgttaacg gggatgcact cgag 174

<210> 879

<211> 229

<212> DNA

<213> Homo sapiens

<400> 879

gaattcgagg ccgcgtcgac ctcagaaaaa aaaacaaaca aacatgttgg tcaaatttat 60  
 aattaaaagc acaatagtta ttggttggtt attgaataaa atcaggagtt ttaataatat 120  
 tgggtgtggg cacttgatg gatgggacca cagtatgaag gctgtagtaa tccagcatga 180  
 ggtgcctttt atttctttt tcagattcaa ggcaggcac gacctcgag 229

<210> 880

<211> 110

<212> DNA

<213> Homo sapiens

<400> 880

gaattcgagg ccgcgtcgac atttatctga tcttttacag aaaaagtgtg ctaacccttg 60  
 ataacagata cctaaaaatg cagggttttc ttcttaatt ggtgctcgag 110

<210> 881

<211> 239

<212> DNA

<213> Homo sapiens

<400> 881

gaattcgagg ccgcgtcgac gtgacttggt taactgcac ttttgcccag tagttagtct 60  
 tttctgttg ggacaccatg ttggtagttt ggaaatgggt tcttccatcc attgcttgc 120  
 ttttagcttt gtgatgggt ttctgttgaa aattttggtg caggtttaat gtgaacaatg 180  
 gttatgagac gagtgcctg atttctgtg tgcctgtcac ccagcccgyc acgtcgag 239

<210> 882

<211> 159



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 882

```

gaattcgcgg ccgcgtcgac ctgtgtggat ggactgagcc tagctaagtc ctgattcatt 60
ttgacttgag ttctctcagt gggaagaatg ggaaagattt acagcttcgt cctggtcgcc 120
attgctctga tgatgggaag ggaaggttgg gccctcgag 159

```

&lt;210&gt; 883

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 883

```

gaattcgcgg ccgcgtcgac ggggtctctt gcttttgttc ctctaaaaac tggctctgcta 60
actttttaat attttcttca tgctgtgttc tcaattcctt catctgctgt ccacactcga 120
g 121

```

&lt;210&gt; 884

&lt;211&gt; 257

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 884

```

gaattcgcgg ccgcgtcgac cctagcttga atttgaaaca acagcacatc ttaatttggg 60
cactaaattt tcataaaaa tatttcattg atttagattt cataaattta cagttgaaaa 120
agtagatgta catatccaaa ttgtcccaaa catgcttaaa atttttccag tatgtatgtt 180
gttttaaaat atttatattt ttgttgttgt tggttgttgt ttttaagatg gatttttgc 240
cttgtcacc cctcgag 257

```

&lt;210&gt; 885

&lt;211&gt; 141

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 885

```

gaattcgcgg ccgcgtcgac gtctctctct gagctctatt tgettcagtg caacatgaag 60
ttcatgacc agtcgcctt tgagagggca ctccgattc tcaacgtggc cctcgcatcc 120
ctccacccca gacaactcga g 141

```

&lt;210&gt; 886

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 886

```

gaattcgcgg ccgcgtcgac gcaacatgag gcttttcttg tggaacgcgg tcttgactct 60
gttcgtcact tctttgattg gggctttgat cctgaacca gaagtgaata ttgaagttct 120
ccagaagcca ttcctctgcc atcgcaagac caaaggaggg gatttgatgt tggteacta 180
tgaaggctac ttagaaaagg acggctcctt atttactcc actcacaac ataacaatgg 240
tcagccatt tggtttacc tgggcactcc ggaagctcgg ctcgag 286

```

&lt;210&gt; 887

&lt;211&gt; 264

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 887

```

gaattcgcgg ccgcgtcgac ggatcagaaa tattgcttgg aaagtgcctga gctcatgatg 60
gatgctaac aagcggtagt catgataatg gcagggaacg cgggtgggtt gcttgccttg 120

```

```

ttttctgcgt gttttggcgg tctgcaaggg gagagcagcc agcaggcagg gcacctgtgt 180
acgtcgtatga ctgaccaccc catggtaccc cagatctatc tccccaaaac actattcttt 240
ctgcctggga cccattctct cgag                                     264

```

<210> 888  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

```

<400> 888
gaattcggcc aaagaggcct atgaagcagg cgtctttggc tcggcgcggc ccgctgcaat 60
ccgtggaggga acgcgcggcc gagccacat catgcctggg cacttacagg aaggcttcgg 120
ctgcgtggtc accaaccgat tcgaccagtt atttgacgac gaatcggacc ccttcgaggt 180
gctgaaggca gcagagaaca agaaaaaga agccggcggg ggcggcgttg ggggccctgg 240
ggccaagagc gcagctcagg ccgcggccca gaccaactcc aggcctcgag          290

```

<210> 889  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

```

<400> 889
gaattcggcc aaagaggcct agctaccaat tcttctactc ttctgtgtgt ttcttctctg 60
atgagttttt cttctatttc ttgtgtctga atttttcgtt gccgtctgaa ctccgtcttc 120
ttctctctct cctctcgttt ctgcttctct tccaggctgc tgcgttctgt cctcagtttt 180
tgcaagttct tctctctctc tagctttttg tgcggcaagc tcagcttctc tctgtctctc 240
gag                                     243

```

<210> 890  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

```

<400> 890
gaattcggcc aaagaggcct aagctgggtgt cattacacgt caacctgcct tgagccaagt 60
cctgtctcac ctgcagcgcg aacagggtacc ttgtgagttc ttcttggagt tgtgtgtgtt 120
caggcggaag gaatttcacc acaaaactta caacaacgtg ctttggcctt ctaatctgtt 180
tcacaatggg ttttaggaga tccagccaca ccgtgatctt tttgtgatca ggaaactcga 240
g                                     241

```

<210> 891  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

```

<400> 891
gaattcgcca aagaggccta aaaatatctg ttaataaca agataaccac atcaagatgg 60
ttggaaagct gaagcagaac ttactatttg catgtctggg gattagttct gtgactgtgt 120
tttacctggg ccagcatgac atggaatgac atcaccggat agaggaaagt agccagccag 180
tcaaatttga gaggcacaagg accactgtga gaactggcct ggacctcaaa gccaaacaaa 240
cctttgccta tcaaaaagat atgcctttta tatttattgg aggtgtgccc cggagtggaa 300
ccacactcat gaggggccatg ctggacgcac atcctgacat tcgtctgtggg gaggaaacca 360
gggtcattcc ccgaatcctg gccctgaagc agatgtgggt acggtcaagt aaagagaaga 420
tcaagctcga g                                     431

```

<210> 892  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 892  
 gaattcggcc aaagaggcct agtctgtcct gttgtgtggg gcgaagtgat ggactctgcc 60  
 aggtggacat gctgtgggtg gatgttcccg gcgtgtgccg ggctggaatg gacaggggcc 120  
 acttcacagc atgtcaggga aaatcactgt cacacaattc caatggattt tgtgtctctt 180  
 ttgaaaaaaa aaaattcttt agcgtaaaca tgaatttttt ttcaatgtag cccctgggga 240  
 atgaatgaaa ttttgagctt ctccaatcag taaaattaaa ttatataccac tgaggagagag 300  
 accctttctg aaagaagtat ggccaaaagc actttaatgc tgctgacatt gttgttttta 360  
 tgttcatttg ctggagcgct cgag 384

<210> 893  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 893  
 gaattcggcc aaagaggcct agtggggcct ggctatctag aaaccaccgc aatggctgga 60  
 gccaaagtttg gtcaatgggg taaacatttc agaaggtagg cagggcatgc cctgaggcca 120  
 ggaggcctct gccgtcctgg ctgtgtcctc aggatggcca attctcacag aaaccaccac 180  
 aaggaaagat ctctggggac gactcgag 208

<210> 894  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<400> 894  
 gaattcgcgg ccgcgtcgac atcaatatctt gtattatggt gctatatatt ggtaatgac 60  
 ctttaaatatt gggaagggat tttaaaaata ctgtgattaa actgggttct tcccttgatt 120  
 ttcataatttt aaataaagcc acagtcattt atacaaaaga aaagcatctg tccctgggca 180  
 aatcttttga ggacagaggt caaagtaaac tgcataaggt ttttacatca tttctgtatg 240  
 tatttgatat atagatcaat atctgtacaa atttaattctt ttattttctt ggtaactcgt 300  
 gatcattgag aaagtgtttg aaactttctc atgaagtgtg tatataatgg cgtgaaaaat 360  
 tcccttggaa aaatttatgt tcccttcatt tttaccaaat tgcaaatctt cagcatggat 420  
 gtgaaaagca ttaaaattat aactttgtgt acaagatgaa aataattcac acactcgag 479

<210> 895  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 895  
 gaattcgcgg ccgcgtcgac atcaaaaatg agggatgtaa gtttcaatgt gagtatttct 60  
 gaatagtttt tttcaaatgc agccaagtca gtaatactct gttgtaactt tagatagggt 120  
 atctatgaat taaaaatccc tgaatgtgac attactctaa aatcttgcat cttgaactgg 180  
 agagcactgt tgtttctctg taggaggtcc atgaagcatg cattagaggt agcttctttt 240  
 cctggaggaa gatttggatg agtatgtatt ttttatattg aaacagacat gaatatattt 300  
 tggagatgaa agtaaaacta gcagggaatg taagaaaaaa cttaaaattg ctttaaagta 360  
 taatgtcgaa tccccgaat ctcgag 386

<210> 896  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (40)..(41)

<220>  
 <221> unsure

&lt;222&gt; (62)

&lt;400&gt; 896

```

gaattcgcg cgcgctcgac actttaacca gtagaacatn ncaaaaatga cactttgcta 60
tntttgggta caagccttga gcatgtcagg cagcttctac ttttgtaetc ttgggagctc 120
tgagttgctg ccgtgcaaga agctgtcata ccttgctgga gagatgatgt ggagaggaag 180
agattccagg acagtactcg ag 202

```

&lt;210&gt; 897

&lt;211&gt; 266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 897

```

gaattcgcg cgcgctcgac cacagacttc tccactgata tctatgttag tatttatcca 60
gcttcttact tggatatgc acttggattt ttataaggta tctcaaacct aatatgtcca 120
aaactaaact tctgattctc tgtatacttc cagcttgctt cccccacagt gtttccaatc 180
tcagtaaatg gcaaccctat ccttctagct ctttaggcca aaagcttgga atcactcttc 240
ctttcttttc cccacatccc ctcgag 266

```

&lt;210&gt; 898

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 898

```

gaattcgcg cgcgctcgac cttgcattgc gtggttttag ggaagcaggg tctggctttt 60
aatatgaact gcaaaaagca gcttctcact gatattttt tgtgtgtgt tctggggggg 120
ttttctgttt tgtttttaat gcctttgagt gcatattttt ttcctctgtt gaaactcgag 180

```

&lt;210&gt; 899

&lt;211&gt; 200

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 899

```

gaattcgcg cgcgctcgac atggggcact acactccagc ctgggtgaca gagecagact 60
ccatctcaaa aataaaaaga gttgctagaa aaggtagaac ccacatttct ctggcttcca 120
aagcctgtgt tctttctgct gtattatgct tttttataac aaccaggeta atatatctta 180
aataccatcg tacactcgag 200

```

&lt;210&gt; 900

&lt;211&gt; 163

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 900

```

gaattcgcg cgcgctcgac cagaaagtgt agctctgaac aaggggacca ctatggctat 60
agagggccgt ggagctgagg gtgggatttt gttttgtttt gttttgtttt gttttgttt 120
ttttgagaca aagtgttgtt ctgtctccca agctggactc gag 163

```

&lt;210&gt; 901

&lt;211&gt; 186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 901

```

gaattcgcg cgcgctcgac gtactgtaac atgaaagcgt tgctcgacta ccttccgctg 60
attatcttct tctactttta taaaacganc gatctctaaag atagtcacaa tccccctctc 120
caattgggtg gtacgcgaag aaactctgtt caaaatcata tcttgtttgc aacaggcgca 180

```

ctcgag 186

<210> 902  
<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 902  
gaattcgcg cgcgctcgac ttcactctct tgatgctctg cttttctct ctttaactcga 60  
cccacagtag accctcccac tcaaatctgc cccaataacc ctttgcaacc aatattaccg 120  
cactacactt tatcttccct aagggtttcc tgctctcct ggtcttaggt gaggtcattt 180  
ctctgccagc ctttaaagtg gaagccctcg ag 212

<210> 903  
<211> 192  
<212> DNA  
<213> Homo sapiens

<400> 903  
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ttaaatatct ttaattttat aagcttcctt atgacagttc ttatccactg tattctttcg 180  
gttctcccta ta 192

<210> 904  
<211> 196  
<212> DNA  
<213> Homo sapiens

<400> 904  
gaattcgcg cgcgctcgac tgtaaattga ggttctctat ttccttatga ccaccaagat 60  
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acagaaatac gtcttgccat tctgtgttca ttcgccagat tcattgctag ttgggatata 180  
agcaagccga ctcgag 196

<210> 905  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 905  
gaattcgcg cgcgctcgac tttgtttcaa agacaattcg aattgccttc tgaaagtcta 60  
aatttgctag actaacattc agaattctag tctggtctct ctttctagca atagctcctg 120  
ctttttctta catgagtact ggttccagat catctagatg cttttgtttt ctccatatgt 180  
cttgggcatt ccttctgtg tctgcatgt gtttctctcc ctcaqatgtt gtctcccaa 240  
ctcccataaa agtctcgag 259

<210> 906  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 906  
gaattcgcg cgcgctcgac cctagctccc cggaaatttt aagactattt acctagattc 60  
ggagatggtc ttggagagtt ccaaaagggg tctgtgtgtg tctgtgtgtg tgcctgtgtg 120  
tgtgtctgtg tgtgtgtctg tgtgtgtgtc tgtgtgtcta atatttagac taaaccatgg 180  
taaatgtacg caccagtaa acctcgag 208

<210> 907  
<211> 212

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 907

```

gaattcgcg cgcgctcgac ctaccagtgg acattttgag aatattgcag ttgtttttct 60
tctgaaagag taaaccaatt tggttactca ttttaccaat ttggttttga ttttgcaagt 120
ggttacaact catgagagga ttcttatttc tgatcaatat attgtgtttt tggaaaggac 180
ttctgggaaa taattatgat gaagccctcg ag 212

```

&lt;210&gt; 908

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 908

```

gaattcgcg cgcgctcgac ggagaagatt aatagatggg acagaaactg cctttgatta 60
accatcaggt tctaggggtt gtgataggca caacatatat attctacttt tggctattga 120
gggggggtcaa cctcgag 137

```

&lt;210&gt; 909

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 909

```

gaattcgcg cgcgctcgac taaattcaca agaaaaatac ttgctttttc tcccttttaa 60
tacgaatctt aactgctggt atccttaaaa cctctgaagt tgatgaatga cttttttaaa 120
aaatgaattt atgggttctt aacatgtatt tgtgttttat tttagtcctt atttgtttta 180
gtgttcacat ctgcgccagg ctactcgag 209

```

&lt;210&gt; 910

&lt;211&gt; 392

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 910

```

gaattcgcg cgcgctcgac atactttttc cttcttatga cgttttaaac catttgttca 60
gttattttaa aaagtccaag tgaggtttta atcctattta aatctaccac atataatctg 120
gtgtgtgtat gtatttgtat gtctcattgt gttttatgaa taaagatata tctcatctt 180
tgtcaagcaa actacaaagt attagataat actttctcta gttttctaag catcattaa 240
taattttatg tatggacatg aagatgtttt tctgtgcttt tgttggtgtt gttgtgttt 300
gtttttttga gacaaggctt ctctctgtca cccaggctgg agtgcagtgg caggatcatg 360
gcctactgca gcctccacca gccaggctcg ag 392

```

&lt;210&gt; 911

&lt;211&gt; 192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 911

```

gaattcgcg cgcgctcgac gagacacata accttctaata tcttagaaga gtattttctt 60
tggaaccaca caagccctat atagcaggaa ggaatatga gtttcagaaa gagtctagtc 120
tcagtcttac ctttaacttc actgtgtgac cctggaaaaa tatctttctt ctctactccc 180
actcaactcg ag 192

```

&lt;210&gt; 912

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 912  
 gaattcgcg cgcgctcgac ctgagaaact aatagtttta agtctgggtg cacttctctg 60  
 gacaaaaata tcttaaattc ttataatctt tcaacttaag tctttttttt aaaaagctttg 120  
 ttttatttcc ttactttaact tttagtcctt cccagtcctt cagaatttta acttetatat 180  
 catggtttta ctctgccaat tcccatatta ccttcccttc ctcgag 226

<210> 913  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 913  
 gaattcgcg cgcgctcgac cggagtctcg gggctcgctg cacctgggag gccagggagg 60  
 ctccagtgcc cgggagaaaag gcaagaaaac tgaggcacag agagattgtc acacagccag 120  
 ttgtagttta caaagtttta ttccagaagg aaaaaagcca cttcacctag aaattttgca 180  
 aacaaatcaa cttttactct gtgagtaatc cagggcctat caagactaca ttttagttga 240  
 ctgcaaggcc tctgaggcac gggaaatcac agctgagttc ttggagaagg tcttgagacc 300  
 atctggatgg cggacagtct ggcacatgat gtgctcaagg tgcgtcttga ggccacagat 360  
 gtggacattt cagccttgaa ggcagtgggt cagcttgctg agccatacct ctgtgaatct 420  
 tgagcgagta ctttcacctt ggagtgtgtg aaagagctcc tcgag 465

<210> 914  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 914  
 gaattcgcg cgcgctcgac ctcaactttc agatcttgaa aggtttgaga acttggaac 60  
 aaagtaaaact ataaacttgt acaaatgtgt tttaaaaaaa attgctgcca cttttttttc 120  
 ctgtttttgt ttcgtttttg tagccttgac attcaccac gcaaccctcg ag 172

<210> 915  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 915  
 gaattcgcg cgcgctcgac gtcttgccaa tttacagtga gcttaaagac cgatcacaga 60  
 aaaaaatgca gatggtttca aacatctcct ttttcgcat gtttggtatg tacttcttga 120  
 ctgccatttt tggctacttg acattctatg acaacgtgca gtccgacctc cttcacaaac 180  
 tcgag 185

<210> 916  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

<400> 916  
 gaattcgcg cgcgctcgac aaaatattct attgtaagtc tgttttatta atttattttg 60  
 tggattacag taatgctttt gttggcctgt tgtatgacaa actattttaa ggttcacatt 120  
 ttgatttgta ttgccaaca agcccttttg cttgttaaag ctatagctaa ctctcaggag 180  
 ataattgcag ttctactctt agaggatgjc tgcttcgag 219

<210> 917  
 <211> 270  
 <212> DNA  
 <213> Homo sapiens

<400> 917  
 gaattcgcg cgcgctcgac gaaatcagtc gtatatatca ttgtatagta cataaagcac 60

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tgaatgatac atttataatc agaattttta aaaaatcctt agatttatag tcagaaaaaa 120
agacttgtag agattagaaa gattatggat tactttgagg ctatgaaaat tgataattct 180
ttaatttcaa cagtcagata tatgttagtg ttagaggtac ttttcagctt tctattagaa 240
catccgaaag ttaggggaca gaagctcgag                                270

```

&lt;210&gt; 918

&lt;211&gt; 154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 918

```

gaattcgagg ccgcgtcgac tgttaattag tttctcgag ttccatttag gtatcatttt 60
aatacttaga aaggaaacac aagatttttt tcaaatgaga aaactttcag cttttatcaa 120
atatttatcc attcaaacac cagtagctct cgag                                154

```

&lt;210&gt; 919

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 919

```

gaattcgagg ccgcgtcgac gacaggggtct tgcgtgtgta ctcaggctga tctcaaacctc 60
ctggcctcaa gcttctctcc accttgacct cccaaagtct tctaataatca tttattgaaa 120
ggctttacct gttgaaacac ctaggtagct atattgaaaa tcaatccatc atatatgcat 180
gggtctaaaa ttttgaactg tattctcgag                                210

```

&lt;210&gt; 920

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 920

```

gaattcgagg ccgcgtcgac gatgttttca acgtttcttt gctttttgct gaagtcagga 60
tagattcaag acataatctc ttgtaagatc taaatagagc aaatgtaaac aaaagtgcac 120
ttttgtatcc ttgttaattt tagatgcttt cctagcttac aaaaagtctc atttttgggt 180
taaaaatcaa tcaactttct gatatttccc cttctgcaat gttattgttc ataagaaaac 240
acgagctgaa aatggaaaac tgcagttgct tcagttgtct tgaatttctt tcagtggcca 300
catcatttcc acgttttcca catccgggag gaagcctgga ctgtgcagcc ttcgggcacc 360
cggcacagac actgtgctgg caggagcttc agacacgcca agtggatgga tttggattga 420
acgcatatga aacaggagac gggttctcat gtgagatcaa agctcctcca aagcctgttc 480
aagctetaag cgattctcaa atgttaccat ttattaaagg taaactacac ctgttgaagc 540
ccgcgtcga g                                551

```

&lt;210&gt; 921

&lt;211&gt; 164

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 921

```

gaattcgagg ccgcgtcgac ctgccccggc gtgtgatgtt cccctccctg tgtccatatg 60
ttctcattga aaaaatgatt ctcttaaaaa actctcaaat ctgcccactt ggctacatgc 120
ttttgcaata ttccagacca aattaccatg atctgtcact cgag                                164

```

&lt;210&gt; 922

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 922

```

gaattcgagg ccgcgtcgac ctctgtctta aaaaaaaaaa aaaaaaaaaa aaaaagtcta 60

```



```

tggatctttt gatacagatt gaaaaagcct ttattcaaca cctaaaatgt gtcagggtgt 120
ttggctttgt actaacatgg ttactgatta ttatggtttt atccctttta aaatacaaaag 180
aagcagggtct cgag 194

```

```

<210> 923
<211> 200
<212> DNA
<213> Homo sapiens

```

```

<400> 923
gaattcgcg cgcgctcgac gagatgcttg aggtgcagtg ttggggatcc agagccatgt 60
cggacctgct actactgggc ctgattgggg gcctgactct cttactgctg ctgacgctgc 120
tggcctttgc cgggtactca gggctactgg ctgggggtga agtgagtgtt gggtcacccc 180
ccatccgcaa cgtactcgag 200

```

```

<210> 924
<211> 158
<212> DNA
<213> Homo sapiens

```

```

<400> 924
gaattcgcg cgcgctcgac ctactacctc accgagaact cctccaccac tgactgttca 60
ggatccctta tgctctcgag tttgtccctt agaagaatta tctccagata gtattgatgc 120
acatacgttt gatcttgaaa ctatccccc cctctcgag 158

```

```

<210> 925
<211> 187
<212> DNA
<213> Homo sapiens

```

```

<400> 925
gaattcgcg cgcgctcgac gtgtcacagt catcaacatt ttttgtgtaa gcagaaactt 60
tattgtgtgc tagttactta atatcagtg ttattccatt ttcttcatta tcatattcca 120
tattataata attagatgtg aagacatgca ctttcgtgta ttgagtattt ataggatcag 180
tctcgag 187

```

```

<210> 926
<211> 164
<212> DNA
<213> Homo sapiens

```

```

<400> 926
gaattcgcg cgcgctcgac aaatagtatt ttaaaagaga ttattgggta cgtgcttctg 60
gtttttaaaa ttcttggaqa aatcatatgc tgtgatcaac catagcgctg tttttttttt 120
aatagcagga aatgtatata agtctattac cgcacttact cgag 164

```

```

<210> 927
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 927
gaattcgcg cgcgctcgac cttgcttcag aaattgaaat ctgaaggacg tcgggtgctg 60
atcttatcac agatgattct tatgttggac attttagaga tgttcttgaa ctccattac 120
ctcacctatg taagaatcga tgaaaatgcc aqcagtgcgc aacggcagga actgatgagg 180
agtcctctcg ag 192

```

```

<210> 928
<211> 167
<212> DNA

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<213> Homo sapiens

<400> 928

gaattcgcg cgcgctcgac cctaaaccgt cgattgaatt ctagacctgc ctcgagcctg 60  
 accaaccatg tgaaatgctc tctctcctaa aaaaaaaaaa ttatatata tatatcagcc 120  
 aggtgtggtg gcacgtgcct gtgatcccag ctacgctgga gctcgag 167

<210> 929

<211> 144

<212> DNA

<213> Homo sapiens

<400> 929

gaattcgcg cgcgctcgac acctcctcca tttaaataaa ctggtgacct tctttttatt 60  
 ttttaaaagt ggaaaccgt tgtgtgcctc tcgatttaag ggtttctgat gacattattc 120  
 ttaagaccag cattgatcct cgag 144

<210> 930

<211> 213

<212> DNA

<213> Homo sapiens

<400> 930

gaattcgcg cgcgctcgac agtttttgca tgtaaagttg ttcatagtag ccttgaatga 60  
 tattttgtct ttcggtggtg tcaggtgtaa tagctcccat tttgtttatc ttttcaaaga 120  
 accagctttt tttgtttcat ttatcttttc tattttttta tttttgtttc aatttcattt 180  
 agttctgtct tgatgagaat gctacttttc gag 213

<210> 931

<211> 252

<212> DNA

<213> Homo sapiens

<400> 931

gaattcgcg cgcgctcgac cctaaaccgt caattaatat tactgcctac ttggagcttc 60  
 aaqtctaatt tqgggaaaat aaagagcaac agaaaagaga acacttggtc caacacataa 120  
 aaagggtgat aatatttttag agagtttggg tagacttgaa tattatttgt ttagaacctg 180  
 aatctcaagt ctaagtctgt aacaagattt ctcttccaga tgatgaggag tctgatgagg 240  
 agagctctcg ag 252

<210> 932

<211> 437

<212> DNA

<213> Homo sapiens

<400> 932

gaattcgcg cgcgctcgac gcggggcggc cggcatggag ctcccgagg cgcggcaggg 60  
 tcaggagctc ggtggcatgg cggcgggtggc tgccccgatt tcttcagct gccactcctt 120  
 gcttcgtgtc cccggtccct agacgcctcg tctctcccg tgtccctctt cccatggagt 180  
 cagtacggat cgaacagatg ctgagcttgc ccgccgagg cagcagcgac aacttgaggt 240  
 cggcggagcg aggggcatca gcggcccaag tagacatggg cccccacca aagggtggtg 300  
 cagagggccc cgcacctcta ccgacgcggg agccagagca agagcagctc cgggggacct 360  
 caacqccqga gagcaaagtc ctgctcacgc aggcagacgc cttggcgtcc cgggggcgaa 420  
 tccgtgaagc cctcgag 437

<210> 933

<211> 137

<212> DNA

<213> Homo sapiens

&lt;400&gt; 933

gaattcgcg cgcgctcgac ctataagctt ttgcaacttt aggttctctca atggatataa 60  
 aatttgcat tatactggct ctatcttgca caagtatgat gtgccatcaa atgcagaatt 120  
 atagcaggaa tctcgag 137

&lt;210&gt; 934

&lt;211&gt; 190

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 934

gaattcgcg cgcgctcgac gttttgtaaa aaaaattccc aaccatataa gcacttatag 60  
 ggaaacaaag gacccatcgc aaatgttttc catgctgac tccaaagtgg tgagtttatg 120  
 tgtgattttt attttgttta tgcctcttcg tattttccga atttcataca ataaatatct 180  
 gttactcgag 190

&lt;210&gt; 935

&lt;211&gt; 169

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 935

gaattcgcg cgcgctcgac aggtccattt catctaagtt gtcacattta tgtgtgtaga 60  
 atttttcata gcattcacct taactacctt tttaatgcca gtgggggttg caatgatagt 120  
 ctctgatatt gcagatttta gtgatgtgg ttttcccccc cgcctcgag 169

&lt;210&gt; 936

&lt;211&gt; 159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 936

gaattcgcg cgcgctcgac cttttccca cgcctatcc cttcattttt gcccctcttt 60  
 gcctgggtgt gaatgggttg ctctctcttc accatcataa gcttcattgt tttctttttt 120  
 ctttttaaaa ctgtattttt tttgtcggc actctcgag 159

&lt;210&gt; 937

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 937

gaattcgcg cgcgctcgac atattgaaaa attcagggaa tttttaaaat ttatttattt 60  
 cctcaaatat atttaaatat tagttctgtt atcttgtttt ggctttcttt tttaggtaac 120  
 ccaatgatgc atatgttgac tgtgctgtgg ttgtttcttg gcgattttat tcttaccagt 180  
 cactgttttc agtgttgtct ttttcttact caacattctg caaagtcact cgag 234

&lt;210&gt; 938

&lt;211&gt; 152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 938

gaattcgcg cgcgctcgac atattatttt acatcattgt tttcgtcttt tttattttca 60  
 ttgtctgtct ctaatttaga ccttatttac catcacctg gtttatgttc acagtctcct 120  
 aaatgatctc cttcataccg ctagtactcg ag 152

&lt;210&gt; 939

&lt;211&gt; 275

&lt;212&gt; DNA

<213> Homo sapiens

<400> 939

```
gaattcgagg ccgcgtcgac catagccttc ctctgtcct actcatgaga ctgcctccat 60
ttcttccttc tgcaacctg ctctatcag ctgaacctt ctttcggagt gtttagtgagt 120
acctgtctct cccagcccc tcagctgggt ggctgggtg tgcagcggc aaatggggct 180
ctgggtccaa tgggccactc tcctctctct cttgttctt gtgcagaaa cctttgcttc 240
actccactgc cctctctagt tcccgatccc tcgag 275
```

<210> 940

<211> 246

<212> DNA

<213> Homo sapiens

<400> 940

```
gaattcgagg ccgcgtcgac caacaacaaa aaaaagactt tattctctgt tgcagtgta 60
tgtaaacctt ttattgcat ttaatttcta cagggtgtag tctactatta tttttgttc 120
agtatctcat caagtcaaat aagcacagag taagaatttc aaagctagag agggctgaca 180
ataatagaaa acagaaacat actcaatata tactctctc tcactatgaa gctggggcta 240
ctcgag 246
```

<210> 941

<211> 168

<212> DNA

<213> Homo sapiens

<400> 941

```
gaattcgagg ccgcgtcgac atttaattaa tcacttcaag acatttttga tattacagct 60
tttgcctta ggtggagctg ttaaagttaa ataagtgtga atatctgtca aatacagttt 120
ttgcaagagt gcattgacat tttatatatt gtaagaaaag ctctcgag 168
```

<210> 942

<211> 205

<212> DNA

<213> Homo sapiens

<400> 942

```
gaattcgagg ccgcgtcgac gaagccttct gtaccatttt acgaatttct gtcttcataa 60
tacaagttaa aatactgtca ttcaatttt ctgctttaaa ttgtttttaa taagcattec 120
aaagtgtatc agacttaagc ttttaattca tcagtcattc agttgataga caaagtttagc 180
gatgctttat gctaggatag tcgag 205
```

<210> 943

<211> 188

<212> DNA

<213> Homo sapiens

<400> 943

```
gaattcgagg ccgcgtcgac ctgagccttc cagccggggc atctgtgaa aatgatgtta 60
ctttatcttc cagttttttt cttctcctta tccaggacac atccccacca gacaccagct 120
cctctgccc atccaggcct ctatccccc cagtggtcca tgtctccagg acagccactc 180
acctcgag 188
```

<210> 944

<211> 241

<212> DNA

<213> Homo sapiens

<400> 944

```
gaattcgagg ccgcgtcgac gaatcatata gatatagaa ttttagatc ggcttcttcc 60
```

```

acttagtgac atttatttaa atttectaatt gtcttttttat agtttgatag ctttttttta 120
ttctttttaa tttttttttc ctgctgcctc tctaattqca gaaagctcat ttatttttag 180
cacatttcac ttgatattc cattatctgg gtgtaccaga gtttctccat atcacctcga 240
g 241

```

&lt;210&gt; 945

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 945

```

gaattcgagg ccgcgtcgac caggtaactac catgtttctg cattggctag tgggaatgg 60
atatgtcttc tactttgcct ccttcattct actactgaga gaggtacttc gacctgggt 120
cctgtgggtt ctaagggaatt tgaatgatcc agatttcaat ccagtacagg aaatgatcca 180
tttgccaata tataggcacc tccgaagatt tattttgtca gtgattgtct ttggctccat 240
tgtctcctg atgctttggc ttcctatacg tataattaag agtgtgctgc ctaattttct 300
tccatacaat gtcagtctct acagtgatgc tccagtgaat gaactgtccc tcgag 355

```

&lt;210&gt; 946

&lt;211&gt; 187

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 946

```

gaattcgagg ccgcgtcgac gggaagctta gaggaggaat tcccttaaga cgggtgtgata 60
gactctttta aagaaaaaat attcagctct taacactcgt taaagcatgc aaaggaagac 120
tttattcagg atcatcgtga taggtattcg aagcacagca gtgagatttt gcaatggggc 180
actcgag 187

```

&lt;210&gt; 947

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 947

```

gaattcgagg ccgcgtcgac ggaaaagaat cttaatgcag ctatcaagac ccagttggat 60
gtgttttagct ttgtcactac acttaaggag ggcatttttt attttaaacc aaaaggggac 120
agaaaagctta gtgaggagtt tagaagccct accctttcaa gaagtgttga tgggaattgaa 180
gacaaaccca ggagaaggga acacgagggt gaggagaaca ggggtggcct cagacaccca 240
ggccaacaca tgtcaagggt tagacttact ggaaaactcc agagcgctga acctcgag 298

```

&lt;210&gt; 948

&lt;211&gt; 214

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 948

```

gaattcgagg ccgcgtcgac aaacaaaaca aatttecta ctcaggatcc aaaagatatt 60
atcctatatt gtctcctaaa agttttatag cctagccttt tacatttagg ttcttaattc 120
ttaatccacc tggaaatagt ctttgatat ttttaaaaag agagggttta tctcattttt 180
cccgatagat atgcaattat cctgtacct cgaq 214

```

&lt;210&gt; 949

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 949

```

gaattcgagg ccgcgtcgac tgcagattgg ctccagccc ctgacaccat gtattttgtt 60
gactttgtga agccagaatt tctcttgctt aggacacttg ctcgatgcct gatattgttg 120

```

gatgatattt taccaaatc caagcgggtg gacagcaatg ttcctcaaat tataagagaa 180  
aatagtatct ctctcagtga aatcgaatgt ctcgag 216

<210> 950

<211> 272

<212> DNA

<213> Homo sapiens

<400> 950

gaattcgcgg ccgcgtcgac agtatctgtt tcttttaaat ggagcaggac ttacaaatga 60  
ttacaaaatc attctatatt actttttttt tattccagcc ctttacagct gtctcaccta 120  
ttcataatc agtagcagct tttcttttaa gatactcacc ttttttgcac tcagtgttca 180  
ctagtttatg cagtaattta gataatttag ttactagcgt gagtacacct accacaaaca 240  
acatgggaat aaacaaaacc gaatcactcg ag 272

<210> 951

<211> 224

<212> DNA

<213> Homo sapiens

<400> 951

gaattcgcgg ccgcgtcgac atataagagc acgttgtaaa cttgaaagag acaaaggcac 60  
aaatgtggct gttgattaat ttgactgctt ctctgtgttc gtcacctcca tggcatgcac 120  
tgtgtgtgtt aattgtctta tgggggcatt ctcttattta tttcccagcc ctgggaaata 180  
ggagctgtca ttatccttct cttctctgac aaggaaaact cgag 224

<210> 952

<211> 164

<212> DNA

<213> Homo sapiens

<400> 952

gaattcgcgg ccgcgtcgac gggggagcag gataaaagcg gtctttcagt ttttattata 60  
tctcattctc ctatgttttt caaatcatta ttctatgtct cttctcagta aggcctatcc 120  
tgaccaactc atctaaaatt acaacttccc accacactct cgag 164

<210> 953

<211> 210

<212> DNA

<213> Homo sapiens

<400> 953

gaattcgcgg ccgcgtcgac gcattttgtg ttttctacg tggctcattt cagccagqta 60  
tagttttctg tgttcacctg gtatttctta cagacaaaaa tcattgaaaa gagaatgcaa 120  
aatttcagta tgttcaaat gtttcttagt atatcggtgg ctttggaatg catttgcatt 180  
ctcaaaacaa gcttcacagc aaactctgag 210

<210> 954

<211> 191

<212> DNA

<213> Homo sapiens

<400> 954

gaattcgcgg ccgcgtcgac ataaaatttc gtcattatct atttgttcat tcattcaaca 60  
aatttttgat gaagtataat aatagtataa gcataacaac tgctattttat tgaacactta 120  
atatgtctca ggttctataa tacatacttt actggctgta tcttacacaa aacacacaaa 180  
aagcactcga g 191

<210> 955

<211> 195

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 955

```

gaattcgcg cgcgctcgac atttcttatt agccaatatt tattaagcat ccgctgagaa 60
ctttctgtg cattgggctt acgggaggat tttttttgct taagtgtgat tacactgcca 120
ttcttgaact tgtttctcac ttaggagaaa caatttgagg gtaatatgaa cagaatattt 180
gtgagcatac tcgag                                     195

```

&lt;210&gt; 956

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 956

```

gaattcgcg cgcgctcgac ctacttacta aattgagttt ttaaaaagac ttagtgtgac 60
atttgacagt gtctttcaaa cgaactcttc taacaagttt atagtatttt tctgtttca 120
acactattag aagtcctata aattatgcta attagcatgg cagtcatggt acacactctt 180
aacattgcca aagaactggt gatttcgttc gagaaaaccc caggactcga g          231

```

&lt;210&gt; 957

&lt;211&gt; 214

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 957

```

gaattcgcg cgcgctcgac cgagatccac ggctgcattc cctacgaacc ccatgaaatt 60
cctgaggaat aaagcaataa ttccgcatag acctgctctt gttaaagtaa ttttaatttc 120
gagcgtagcc ttcagcattg ccctgatatg tgggatggca atctcctata tgatatatcg 180
actggcacag gctgaggaaa gacaacagct cgag                                     214

```

&lt;210&gt; 958

&lt;211&gt; 183

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 958

```

gaattcgcg cgcgctcgac taattacctg aagctttagt aataaagaac taattttttt 60
tgctcagttac cacattttgt ttttagcttc aagagggttag tagtgacaaa tactgaggct 120
aaagggttaag caagatttcc aggtttacag agatattaat taatctggat gaggtctctc 180
gag                                     183

```

&lt;210&gt; 959

&lt;211&gt; 199

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 959

```

gaattcgcg cgcgctcgac atttgcgttg actgtggatt tctctctgcc tttggaacat 60
ttgtgcaagg atgagagggg atagttaga tctctctaac gcataatgctg taggttataa 120
agccacagta atgtgtttcc tttgcagttg tgcttctat tcttctctcc agaactagctc 180
tgatagggaa gctctcgag                                     199

```

&lt;210&gt; 960

&lt;211&gt; 195

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 960

```

gaattcgcg cgcgctcgac cttttttaat actatgaaga aaccaaggca gaattacgac 60

```

```

ctctgggttct ttttcttttt ttctttttta gacagggttg gttctgtcgc cctagctgga 120
gtgcagcggg gtgatacacg cacactgcca cctccacctt tgaggtctaa gcagtcctcc 180
catctcaagc tcgag 195

```

```

<210> 961
<211> 161
<212> DNA
<213> Homo sapiens

```

```

<400> 961
gaattcgcgg ccgcgtcgac ctcaaattta aaaaaaaaaa aaagaagaag aagaaaacta 60
gtgggaaaaa agtgagagga atactttttt gaaatttgta tcggaaggaa ctggagaaga 120
gaaaacaaca gtgccaaatg agaaaagaac agttcctcga g 161

```

```

<210> 962
<211> 252
<212> DNA
<213> Homo sapiens

```

```

<400> 962
gaattcgcgg ccgcgtcgac caaagagtct tgaattcttt tgttttccca gtaccaaatt 60
tactttagtt ttatctatga aatggtgata aactttcgtt gtaagtatca tttgatagca 120
ttgaagtatt taactttttt gttggagcca gagtctcagt ctagggttga gtatagtggc 180
gccaccggct ctatcttagc tcaactgcaac ctccatctcc cagggttcaag cagttctcat 240
gccttactcg ag 252

```

```

<210> 963
<211> 153
<212> DNA
<213> Homo sapiens

```

```

<400> 963
gaattcgcgg ccgcgtcgac tgctttgtgg acacagattt tcaggggagat ttaggggaga 60
gaaacttaag aatgaatgag atacttttatt ctaaacagtt tgaatgtcat tgtgattttt 120
ttgtcttttag ttgatgatgg tgaggtcctc gag 153

```

```

<210> 964
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<400> 964
gaattcgcgg ccgcgtcgac gccaatccct ttttttttca gggccaattc ttaatacatt 60
ttaaggattt gtgaacagat gggctgcact gcatttgtgt tgatcatgat gttctattct 120
agacaactaa gaatgtcaaa aagcttccca tcttatgaca actccagtc agtgatggcg 180
gtactctgga gcaactgggtt agaaagaaaa ctcgag 216

```

```

<210> 965
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 965
gaattcgcgg ccgcgtcgac ccttaaacat gttaccaagt cttatccatt ccccgtaaat 60
ttgcaccacc cccaaacact acattcgctt tggctcacc tttatccctg agagacqtcg 120
aaggccctct ctgctgatg gcacattcag ctctgttaag aaggtatgtc tgtgtttttg 180
tgtgtgtgtt gtgtttatgt gtgtgtgtct tattttttta agcctaaagt tccagctcga 240
g 241

```

```

<210> 966

```



<211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 966  
 gaattcgcg cgcgctcgac ggaaaaggaa ttctccaaaa aggtgaccca gagcatttgt 60  
 ttctgaccag ctttgcctgc cactgagtt cctttgacca gggttgectg taaatcttcc 120  
 agggagattt caacacttgt ttgtcttaaa tactttctgc tatcatctca ttgccatcca 180  
 ctctctcttc agggctctgga tatatcttgg aaagggtatt agatgaaact ctatcttctc 240  
 gtgttactcg ag 252

<210> 967  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 967  
 gaattcgcg cgcgctcgac atagctttgt agagtgcatt cgactgttaa agtgggtgtc 60  
 tgccccagat tgccaccatg ttgttaaagt ccaatatcct gatgctaaac ctgttcgctg 120  
 caaatgtggg caatctcgag 140

<210> 968  
 <211> 180  
 <212> DNA  
 <213> Homo sapiens

<400> 968  
 gaattcgcg cgcgctcgac attaattatt gctatgtctt ttacttgcct ttatcttcta 60  
 tcttcattga ttaatttttt ccaaatgatt ccagaatctg ccacacacct accattcatt 120  
 ttctccacc aaatgctcag ttgtgtcagg ccactctgtc attccccctg caccctcgag 180

<210> 969  
 <211> 475  
 <212> DNA  
 <213> Homo sapiens

<400> 969  
 gaattcgcg cgcgctcgac atcctactat gttgacagac atgatgaaag ggaatgtaac 60  
 aaatgtcttc cctatgattc ttattggtgg atggatcaac atgacattct caggctttgt 120  
 cacaaccaag gtcccatctc cactgacct cgtttttaag cctatgttac agcaaggaa 180  
 cgagctactc acattagatg catctctggg gagttctgca tcttggtact tcttcaatgt 240  
 atttggtctt cggagcattt actctctgat tctgggcca gataatgccg ctgaccaatc 300  
 acgaatgatg caggagcaga tgacgggagc agccatggcc atgcccgcag acacaaacaa 360  
 agctttcaag acagagtggg aagctttgga gctgacggat caccagtggg cactagatga 420  
 tgtcgaagaa gagctcatgg ccaaagacct ccacttcgaa ggcattgttc tcgag 475

<210> 970  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 970  
 gaattcgcg cgcgctcgac ctccaatcct tcttatgcct tctctctctc tctctctact 60  
 atacaggtgt cctgtccctg ccagccact gggcaacttc ccccatctcc ctatacctcc 120  
 aaacactctc gag 133

<210> 971  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<400> 971  
 gaattcgcg cgcgctcgac ctgatttttc ctccacata gttgtatgtt gttatttttag 60  
 cttgcttttt tatgacagtt tcaggcacat tttatatgtt aattaagcat gcatatagcc 120  
 agctttctcg ag 132

<210> 972  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 972  
 gaattcgcg cgcgctcgac tctgacaatc agtttatgtg aatacatgtt ttatggatta 60  
 aaatattaga ttattattat atcctctaaa tgaattggct tggtatcggt atgaaatggc 120  
 cccctttatc cttagtaatt tttttttgtt ctaaaatgtc ctttgggtatt gatgcagccg 180  
 tgctcgag 188

<210> 973  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 973  
 gaattcgcg cgcgctcgac gtgagatgtg agattgaaaa agtgytaagat gtcagttaag 60  
 attacaataa aaactggaag tatattcttt tttcttttat cgttattata tttatatttt 120  
 ttcaagacag ggtcttgctc tgtccccaga ctcgag 156

<210> 974  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 974  
 gaattcgcg cgcgctcgac atctacctca gttaaaccagt tgggtgctat tactaagtct 60  
 gtcaaatata attggaaaaa gtaaccaaac agtgagatac aactccacat gaaacttgaa 120  
 attgtaattt cgttttattt aatgatattt ttattttatt gtgcctttta tgttgaaccc 180  
 cttctcgag 189

<210> 975  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (56)

<220>  
 <221> unsure  
 <222> (82)

<400> 975  
 gaattcgcg cgcgctcgac ttattgtatg atttatattt gtttatatt ctgatnacy 60  
 tgctccctct cccaaatagc atgatttttt cccccctct aaaatgtata atctggtctc 120  
 aggttggatt ctttggtaaa tttctctctt ctggatgcca tgcagcgac tcgag 175

<210> 976  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 976  
 gaattcgcg cgcgctcgac aaattttagt tgtcccgga gttcttttgt atctgaaacc 60  
 tcagttgtca agcttggaat tctgtacttt taaaatatcc tcaagcgatt ctgattacac 120  
 atcaggtttg gaagcacttg gcataaagaa cttcccccac ccaattcaaa gaaatagtat 180  
 ttaagccctc ataattgtca gtgtgggtta actgtgtctc gag 223

<210> 977  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 977  
 gaattcgcg cgcgctcgac gaaatgctct gctctcttct cttttccttg ctgtccctgg 60  
 ggctggagga gcacgggcct ccccgaggat gggcttcagc ctccctagac tctgtctctc 120  
 ttccaagggc taggcctggg ggaccagaag caagagtccc aagcgtctc gag 173

<210> 978  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<400> 978  
 gaattcgcg cgcgctcgac attggtacca ggcacttaca aagctaaatt ttccgatgtt 60  
 cctttcacca gcatactctc ttctcagttt attcattgat gcagaaagca ggcagctggt 120  
 caccgggtgt gctgacggcc aactcgag 148

<210> 979  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 979  
 gaattcgcg cgcgctcgac atttattaat ctaggaaaqt taaatagtcc cttgaaacaa 60  
 aaatttttag ctgaatttat tgaaattata ttgttaaat gattacaatt tgaaataact 120  
 ccgtgtttga tgttaggctg aacatgaaaa ctttttattt gaatcagatt tttttttttt 180  
 taagttttgt ccatcaacta aaggcacaaa cagacgacct cgag 224

<210> 980  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<400> 980  
 gaattcgcg cgcgctcgac cgactttatt aaatctatga aaaatattta tattattgga 60  
 ttattatggg cttgctcgac atggactatg ggggatacag tcgtactga taaagcaaca 120  
 acggtacaac tcgag 135

<210> 981  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 981  
 gaattcgcg cgcgctcgac ttctagacct gcttctttta ggcatactat attcatgcta 60  
 ttaagggtaa ttgtgagat gcgagtaaat ttctttttct ctctctgttc atcacttgct 120  
 ctctttttct ctatactgtc caaaccaagg actgctttct atctccgtgg ttcatttaatt 180  
 ctctttttctg atttctcatt tccaaattct gctcagcacc cccacactct cgag 234

<210> 982  
 <211> 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 982

```

gaattcgcg cgcgctcgac ctctgacaaa tagctcagga tgagtggaag aaaatgggct 60
ttgatgtctc tcacaactgc agtggaatt ttaggaggga caatttgcca agaagatggg 120
gcaggatttg aaaggatttg ggaggatggg gagtgggtgtg cagagaaagt tgtaggaagc 180
gacctcgag                                     189

```

&lt;210&gt; 983

&lt;211&gt; 211

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 983

```

gaattcgcg cgcgctcgac ttgaattcta gacctgcttc gaaaagcttg agagctgaca 60
aggaaggttt cgagcgtttt gctggcaaag ggatttctta caacctccag gcatgctct 120
ttctgacctg ctggccttgg catccaaggt cactctgcc cccattacc gctatgggat 180
gagcccccca ggctctgatg gcagactcga g                                     211

```

&lt;210&gt; 984

&lt;211&gt; 185

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 984

```

gaattcgcg cgcgctcgac cgcattctgt gagcaatgtt gacaattctc tcaaaagtga 60
tattcccact gtgtttaatg tttttctgtt tctttctgtc tcttggtggt tccttgaggg 120
ctttgatgat cagggcagag gcagaaggca ccaccaagag acagaaagaa acagaaaaac 180
tcgag                                     185

```

&lt;210&gt; 985

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 985

```

gaattcgcg cgcgctcgac agaacctgga aaaattaacc acatgagata cgatacacta 60
ccccagatgt tgacgttggg aaatatccgt gctggcaaca aaatgattgt gatggaaacg 120
tgtgcaggct tggctgtggg tgcaatgatg gaacgaatgg gaggttttgg ctccattatt 180
cagctatacc ctggaggagg acctgttcgg gcagcaacag catgttttgg atttcccaaa 240
tcttttctca gtggtcttta cgaattccct cttacaaaq tggcactcga g                                     291

```

&lt;210&gt; 986

&lt;211&gt; 152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 986

```

gaattcgcg cgcgctcgac gaccacccag gtaatccaca agattcttaa ttatatctgc 60
aaagattcct ttttcaaatg agaccatctt tacagattct ggtgattagg atatggctat 120
atctttttat cttttgttgg gggaattctg aq                                     152

```

&lt;210&gt; 987

&lt;211&gt; 235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 987

```

gaattcgcg cgcgctcgac cattataggg tgactgtaag actcaaatag agccactgcg 60
cccagcctag gaagccttaa gttttaaaaa ctttttaaa ttttaattaa gcaaaagact 120

```

tcattcaaaac attttaaattc ggcaaaataag tgctattaca gagatgcata gatttggttt 180  
tccttttctt actttccctc tcttccctct tccttccctt tcctccccc tcgag 235

<210> 988

<211> 171

<212> DNA

<213> Homo sapiens

<400> 988

gaattcgcgg ccgcgtcgac ttctattaat ctttaattccc ccattttgtt tctgtgatct 60  
gctatgacat tacaaaaaaa attgggtttat ctttcttctt tcgttttcca gtgcctttat 120  
tgcatggaac agtatccctt gcacccacgc ttcaccccggt ttagtctcga g 171

<210> 989

<211> 174

<212> DNA

<213> Homo sapiens

<400> 989

gaattcgcgg ccgcgtcgac ctcaaaattt ttgttttttg ggctccgttt tgttgagggg 60  
ggctgttttg agaccagtt gctcatggtt ttaattctga cacatttaag tgggtgtttg 120  
tttctgtttg ttctgagggt tggggtgtgt ctctgttgcc caagctatct cgag 174

<210> 990

<211> 207

<212> DNA

<213> Homo sapiens

<400> 990

gaattcgcgg ccgcgtcgac gcctgtccct cctccgtaat agctcagcac ctacacatg 60  
cttccgactc agcctgtgct ttgcaactt atttgcttac ctattttctt tcccactcc 120  
tccatgactt tgtggaaggc aaggacttta tctcaggatt tctctatcac cagacctagc 180  
ttggggcagc aaagcaggct cctcgag 207

<210> 991

<211> 169

<212> DNA

<213> Homo sapiens

<400> 991

gaattcgcgg ccgcgtcgac attttgtgtt ttgttttca ttcattctcaa agtattttct 60  
aatttccctt gtgattttct ctttgacccc ttgattgttt agaaatctgt taatttccac 120  
acatttqtta atgttccaat ttttcttttg ttattgccag ctctcgag 169

<210> 992

<211> 181

<212> DNA

<213> Homo sapiens

<400> 992

gaattcgcgg ccgcgtcgac cctaaaccgt cgactctagt cagaagtta ctgagcaaag 60  
agaaaataaa gcttggtgta gacagtccca tagaaaaata; aatccatagc cactgggctg 120  
cccttcaatt tcccaattca ttccactaa; tctcatgatg caaatctgtc actttctcga 180  
g 181

<210> 993

<211> 355

<212> DNA

<213> Homo sapiens

&lt;400&gt; 993

```

gaattcgcgg ccgcgtcgac gtggctctgt aatgctaaca agaagtctga aaacctgac 60
aagcgctgt aetgcttttt tgcctctctt ttttctgtt ctgcgcggg gatcccgagc 120
tgctctcgac ctgtaccttg agaactcaga gcagttggag ctgacacaa cccaggccac 180
aaaggcaggc ttctccggtg gcattggtgt agactacctt aacagtcca aagcaaagaa 240
attctacctc tgcctgtttt ctgggccttc gacctttata ccagaggggc tgagtgaata 300
tcaggatgaa gttgaaccca gggagtctgt gttcaccaat gagagagtc tcgag 355

```

&lt;210&gt; 994

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 994

```

gaattcgcgg ccgcgtcgac ctgcaatggc tgggtaaaat tatttcattt ctgaaaaatc 60
aagaacaccc ttcatatacc attcttcgcc acttccctcc tccccaaacc ctaaaataat 120
acaactcagg ccgggcacgg tacaatttaa ttaacacat cttttgataa tctcatcctt 180
ggtgttggaa aagacgggaa aatccaaaag tgtctatttt gtgccccaat gctcaagtta 240
atactcgag 249

```

&lt;210&gt; 995

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 995

```

gaattcgcgg ccgcgtcgac cttttctgct ctgttttgtt ttccctgcct gttgcgtgca 60
aggggaagtgc ttgtaaagt ctgtgctacg agatttttaa aataaaaatc gcttcgcagc 120
aggtttctac aaaataactg gtgctagctc aagaaatcat catctgacca tcagaaatct 180
tgactaaagg tgttgcattg atttgggggt ctttcgggtt ttggttttgg gtctggcttt 240
tagcagggcc aatgtttccc acacccgggc ttcatgggta ctgctttgcc ttctaccaa 300
ggtgacgatg gtgtgcgtgg aaagagatga taccaccacc ctcgag 346

```

&lt;210&gt; 996

&lt;211&gt; 147

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 996

```

gaattcgcgg ccgcgtcgac gctttgatgt atagattaca ggtttcatca accttccaaa 60
gctttcagcc attgtttctt caagtatttt gtttctctac tctttctctt ctttctcttt 120
ctaattgctc ttaccggtat gctcgag 147

```

&lt;210&gt; 997

&lt;211&gt; 329

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 997

```

gaattcgcgg ccgcgtcgac aaattattaa ggggttaagta aggagtttta aataccaata 60
aaattcttct tataacacca aaacctcagaa gctctctctc ttggcaatag ttttattgta 120
ttggtttaat ctgatatctt atctctctgta ttatagtaag ctgaauccaa aattgagaca 180
tgattgtttt atgtttgttg ctattatttt tgaatttttt tttttttttt ttaagacaag 240
gtcttgctat gttgcccaac tggcctcaaa ctcctgagct caaagtgate ctcccacatg 300
ctctctccac atcacatcac agtctcgag 329

```

&lt;210&gt; 998

&lt;211&gt; 293

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 998  
gaattcgcg cgcgctcgac atattttcta ataaatactt gagcggtttt tgtctggcag 60  
gcttccaaat ttgccaaaat taagcggtca gtattttcaa cacatacgtt ttttactggt 120  
ttatactgaa ctatctgatg agaattcctg tggtcccaaa gcaactgatg tttacaggtc 180  
ttgtgtttct cctcctcctt tctaaggatg agggaaatcca caacagactt tctctagaaa 240  
acactaatga tggacaactt tttggtgtca tcaatgagtt ggctactctc gag 293

<210> 999  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 999  
gaattcgcg cgcgctcgac cttatctgct gaactcaggc atttccactt gcatgtccca 60  
cagttgagtc aggaccata atttcttctt gctttcccat gctattcctt tctttattga 120  
caaatgccat catcttttct ctcactgcgc cactcgag 158

<210> 1000  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 1000  
gaattcgcg cgcgctcgac tttttaaatg aggttatctt aatgttaaag aaagttttag 60  
tggtcgcat attgggggtta tcttcaactg catttcgagg aggttttcaa attaaagtgg 120  
gtgcgagttt aattgacca acagcactcg ag 152

<210> 1001  
<211> 196  
<212> DNA  
<213> Homo sapiens

<400> 1001  
gtgactctca tctattaacc taagccagaa atcaaggagt catttttagat acttctcttc 60  
actccttctc atctgggtcag ttcctaataa aatgatggtc attttcctaa tttttctact 120  
tgtctctaaa tttactgcat atgattccat tcccttgat actgctagag tgaatagtca 180  
cctcacgaac ctcgag 196

<210> 1002  
<211> 311  
<212> DNA  
<213> Homo sapiens

<220>  
<221> unsure  
<222> (280)

<400> 1002  
gaattcgcg cgcgctcgac aactttttca gcaactaaaa aagccacagg agttgaactg 60  
ctaggattct gactatgctg tgggtggtag tgctctact cctacctaca ttaaaatctg 120  
ttttttgttc tcttgtaact agcctttacc ttcctaacc agaggatctg tcaactgtggc 180  
tctggcccaa acctgaacct cactctggaa cgagaacaga ggtttctacc cacaccgttc 240  
cctcgaagcc ggggacagcc tcaccttgct ggcctctcgn tggagcagtg cctcaccaa 300  
ctgtcctcga g 311

<210> 1003  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 1003  
gaattcgcgg ccgcgtcgac gaggaatggf agtattctct tatgaaatag taagtttggt 60  
atcatttgca gttttctggt tatggctgt cagagcagtg acctcagagg ggcaacctgg 120  
acagttgact gctcccatca ccaaaaccaa actacacaca cacacacgtt cccaaactgc 180  
accaaggcac cccaaagcac cactcgag 208

<210> 1004  
<211> 223  
<212> DNA  
<213> Homo sapiens

<400> 1004  
gaattcgcgg ccgcgtcgac agtttttggg ctgtgaattt aatgttttag gaagtccca 60  
tttaagattc tttaaaatgg ttctctctgt tgtgctttta ttctttata ttaaaatctt 120  
tgatttatct aaaattactt ttgtgaaaga gtggtatagt gagaatagct ttttagagaa 180  
aaccaaaaca aatgggttga atattgttc caacactctc gag 223

<210> 1005  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 1005  
gaattcgcgg ccgcgtcgac tqggcattac tatgttaqtt ggaataactg gactctttta 60  
cactcaacta attggcatca tcacagatac aacatctatt gaaaagatgt caaactgttg 120  
tgaagatata tcgagggccc gaaagccatg gcagcagcac ctcgag 166

<210> 1006  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 1006  
gaattcgcgg ccgcgtcgac gaacaacgtt ggctttcatg atgtatgtac ctttctcttt 60  
cttttggttc atgtggggga cagtattgtc tcaactaatg tttattactt taaaacacga 120  
aaggatatga gaagtaaac auaacagtcc acagtcttca aacaggacct tcgag 175

<210> 1007  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 1007  
gaattcgcgg ccgcgtcgac gggaaaacaa agauacaaac tataaaagaa agcaaugaaa 60  
atctttgtga ttgggggtca gagataggac tccaaaaaca taagaaaaaa actggtaaac 120  
tgaataaatt gataaactgg acctcacaaa aattaaatag atttactatg aaaaaaacag 180  
tgctactcga g 191

<210> 1008  
<211> 190  
<212> DNA  
<213> Homo sapiens

<400> 1008  
gaattcgcgg ccgcgtcgac ccaggatttc aactatactc atccacagac ttttccatt 60  
gggttagaat tgaaacagaa ctgacagAAC cagqatttga ataccagcct ttgactcca 120  
aatcagggac aagatgcagt ttgtatgtt aattattttt attggttttg atattgtggc 180  
ccactcgag 190

<210> 1009



&lt;211&gt; 245

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1009

```

gaattcgcgg ccgcgtcgac ttcaatctct agaggtttgg cagtttcttt ttatcaaatt 60
cttcccttaa taagctgcag cctgtgaatc taaaaaat ggaagtttta aaaacagaaa 120
gaaaaagatt tttattttta tttttttatt tttatttttt taagacaggg tcttgcctcg 180
ttgcccaagg tggaatgcag tggcacaatc gcggctcgct gcggcctcaa tctctggggc 240
tcgag                                           245

```

&lt;210&gt; 1010

&lt;211&gt; 183

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1010

```

gaattcgcgg ccgcgtcgac tgaagtctct aaaaaattt taggagattc ctgctttcta 60
gggtgctgaa gaaagactac ttaaaatcac tatttaatat tacagtaaag aggagatacc 120
tgtattttga accttgcata aaattgatgt ttctttatgg ttaaatatag attaatactc 180
gag                                           183

```

&lt;210&gt; 1011

&lt;211&gt; 141

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1011

```

gaattcgcgg ccgcgtcgac ccagactctc atatccatgg ctttcttggt ttataaaata 60
gtatacttac tgtgccttaa acagaacttg gatccctctc atttccacta ctttctctct 120
tgtctctgta aggacctcga g                                           141

```

&lt;210&gt; 1012

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1012

```

gaattcgcgg ccgcgtcgac cttgtatgtg tcatttgagt ggtttccaga ttggaacgag 60
gttattctga tctaaatgaa cagcattttt ttctttagcc tctgtttgcc actctgggta 120
tctctcttat gggcaaagcc attagaaatg catccactcg ag                                           162

```

&lt;210&gt; 1013

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1013

```

gaattcgcgg ccgcgtcgac atcttttttc tgtggctgct tcaaaaactt tgtctttgag 60
caatattact attatgtgtc tagatatagt ttcttttttt atccagcttg ggattcttag 120
aaattcttca tttttagatt tgatgtcttt tgaagtttt ggaaaatttc cagtcagaat 180
atcctcagat catgtttcta tccccaatcc tctcgag                                           217

```

&lt;210&gt; 1014

&lt;211&gt; 265

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1014

```

gaattcgcgg ccgcgtcgac actgatatac gataagacag acatatataa aacgtaaaat 60

```

```

ctgataagtt ttggcatatg tatgcacatg caaaaccatc accataatca agaccgataa 120
catacccatc atccataaaa gtctcttctc gtccctttgt attcccttat taagaaacta 180
ctaaatgttt aagtatttgt gctattttcc attcctatca gcagtagatg ataattctcc 240
ttgttccata tcgtctgagc tcgag                                     265

```

&lt;210&gt; 1015

&lt;211&gt; 127

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1015

```

gaattcgcgg ccgcgtcgac caaggacttt cccatttgc agtcttcagc agacgagcca 60
cacagtccca agtacatctt aagaagcaca ctctagatgc agaatgaaga ttcactattt 120
gctcgag                                     127

```

&lt;210&gt; 1016

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1016

```

gaattcgcgg ccgcgtcgac gcttggttag ttttaagggt ttttaacagg cattgagaca 60
tctataatgg tcttgcgtct tttggatctg actcaaacct agccctgcct tctatttttc 120
ttctcttttt tttttttttt gaggcagctc tactgtatgg ccgaggtctg agtgcagtgg 180
catgatcttg actcaatgca acctgtcttt cgggttcaag tgattctcga g          231

```

&lt;210&gt; 1017

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1017

```

gaattcgcgg ccgcgtcgac agcttaatcc tttctagctt ctgattttaa gtgagagaca 60
tgagactctt cctttcactt gtatacttag gggccattgt cgggttattc attagcttaa 120
tttcaatatt gttgtgtctc aggagtagga atatccaaag agagggagaa agacttgggg 180
agcagctggg cagtqgaaca actctcgag                                     209

```

&lt;210&gt; 1018

&lt;211&gt; 205

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1018

```

gaattcgcgg ccgcgtcgac ataacccttt aatggctccc tatgccccag gattaagtcc 60
aaacaccatg gtgtggcatg tgagaaagtc ttcttttgtc tggcttctgc agctcttcag 120
cttcatctct tggcaactct tcattctctg gtccccagtg catgtcccat ggacacagtg 180
tcgagtcata cccccaattc tcgag                                     205

```

&lt;210&gt; 1019

&lt;211&gt; 218

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1019

```

gaattcgcgg ccgcgtcgac ctctaccccc accttctctc tcattctctc tacagtctga 60
tgctgctggg caatttcac cacttctag gcttcagttc tcaaccact actgatgatg 120
actcccaaat gtttatecct gccctgacta cctacccctg atgtctttct gaatataacg 180
ctctcaatcc caactgttta ttatactcat ctctcgag                                     218

```

&lt;210&gt; 1020

<211> 259  
 <212> DNA  
 <213> Homo sapiens

<400> 1020  
 gaattcgagg ccgcgtcgac cctaaacggg cgattgaatt ctgacctgc cattcaacc 60  
 ccctcatcac actctcacac tttctgagct gagatccaca gtaaggaata cactgtttca 120  
 tcttcgacct aggcacatac tctcatccgc agctgaaatg cagtttcaga atgtgaatcc 180  
 ttatttcacg ttctgtgtgg tgatgttttc tgttttctct cttgctctct cctcagcatt 240  
 ggctacacac ccactcgag 259

<210> 1021  
 <211> 165  
 <212> DNA  
 <213> Homo sapiens

<400> 1021  
 gaattcgagg ccgcgtcgac gcccatagga gttgaaaaat cctgctgctc tcagctatat 60  
 tttttctctc attatttata aatgtttgct tttaaactga ttttatttcc cattctcccc 120  
 tggagttggg ccaggggaga gtgggggtgg aagacagatc tcgag 165

<210> 1022  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<400> 1022  
 gaattcgagg ccgcgtcgac ttttaagttc tagagatcgg gtctcgttat gttgcctagg 60  
 ttgattttga actcctgggt ctgccctcagt cttccaaaat gttgggatta caggcatgag 120  
 ccaccttgcc cttcccgaaa ctgccataat gttttccgta atagctgcac catcttacat 180  
 gccctctgtc tcgag 195

<210> 1023  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<400> 1023  
 gaattcgagg ccgcgtcgac aatcattcca acaatatttc tgtgattgtc tqttaacgaac 60  
 tactttttct gatttttgat cagtgatctt tgactataat agaaaagaaa gtttaaatgt 120  
 tatggaaggt gctggggctc gag 143

<210> 1024  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 1024  
 gaattcgagg ccgcgtcgac caggaaagca ttgaattaaa ttatacagta ccatttctcc 60  
 aggtattgag ctaaagagaa tggagctaaa attgccctgc tgtcttgta ttacctatt 120  
 tctaattctg tcattttctt tccaaaaatc tcacgcattat ctcgag 166

<210> 1025  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<400> 1025  
 gaattcgagg ccgcgtcgac attggaaata tcctccagac agaaagtcag caaacattct 60  
 acttaattct cagtacagac caaatggaaa taatagacat ttacagaaac ttttatccaa 120

tggtctgcaga gtacacattc ttcagctcat ggatcattct cgag 164

<210> 1026  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 1026  
 gaattcgagg ccgcgtcgac tgacattatt atcaattaac attttacttc cttctagetc 60  
 totacatttt cattttctca tctcataaat ctcatctcct atgatttttt ggtggggatg 120  
 tgttacttac ggactcgag 139

<210> 1027  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (42)

<220>  
 <221> unsure  
 <222> (56)..(57)

<220>  
 <221> unsure  
 <222> (61)

<220>  
 <221> unsure  
 <222> (64)

<400> 1027  
 gaattcgagg ccgcgtcgac caaataacct ggttggettg tnacaagaaa gaattnnngc 60  
 ntanctcaga tacaaaagtg gaaaaagaaa cggctataat ccattgggaa gactttctat 120  
 ttcttagtct gtctctgtc ccaaatagct cagctctcct caccctaaact cgag 174

<210> 1028  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<400> 1028  
 gaattcgagg ccgcgtcgac qtatatqta attgagacaa gcagggttga aaatgacctt 60  
 ctcttcccat tcttctcatg ttgtctctca aaaagatata cttctttctt tctttttttc 120  
 tttttctttt ttgagatag acagactctc tctgccccc agactcgag 169

<210> 1029  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1029  
 gaattcgagg ccgcgtcgac gaggcttttag agttttctag gtgaacgata atatcatcca 60  
 tcagcaaaaca gtgagtttga ctctctcctt aatgattttg atgcccctta cttctttctc 120  
 ttgtctgatt gctctggcta ggacttccag tactatgttg aagaggagtg gtgacagtgg 180  
 gcatccttct ctagtctccg cttctcagag gaatgctttc aactttttcc cattcagtat 240  
 tttgttggtt gcaggccatc tcgag 265

<210> 1030

<211> 223

<212> DNA

<213> Homo sapiens

<400> 1030

```
gaattcgcg cgcgctcgac ctgagtcgtc taaaattctg cattacagtt gcgattatct 60
tcctttgata ttacaatttt gatttatgtt ttttataaca cctgtatttt tccttattac 120
cacatcaata tatattcatt gtggaaaact atgtaaaaat gcagaaaaga atacattaaa 180
aaataaaaaac tcctgcattt tactccttac tgatactctc gag 223
```

<210> 1031

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1031

```
gaattcgcg cgcgctcgaca aagcttctga gctcaccaaa caaggatttc agtgtagatt 60
ttgtctttct tgaacttaaa gaaacaaatg acaaagtctg aatggaaaag cctgctgttg 120
ttccccacgc tcgag 135
```

<210> 1032

<211> 186

<212> DNA

<213> Homo sapiens

<400> 1032

```
gaattcgcg cgcgctcgac cccggctttt cttggagccc aagagttttc tgagtgtgca 60
gagaaccctt ctatcatgaa gactttatct agagtcgggc tagggttgtt actgccttta 120
ccaggcttcg tattcccttc ctctgtgtct ggcctacctt ctacagtctc tggccactta 180
ctcgag 186
```

<210> 1033

<211> 165

<212> DNA

<213> Homo sapiens

<400> 1033

```
gaattcgcg cgcgctcgac gaaaaaaaaa gtgccttttt ctgcctttaa gaattggggg 60
atatgggatg aagcagccat gtacttgtat tttcttggtc tttctgggc actcttctct 120
cttggcagat gttttcttaa agtgaacaca ccagaagcgc tcgag 165
```

<210> 1034

<211> 259

<212> DNA

<213> Homo sapiens

<400> 1034

```
gaattcgcg cgcgctcgac ctttgatcca tggaaaactt ttataaaata atttccaaaa 60
taatttcctg gaaatctgga attgtagtct gtaccaaatt gggattattt attaatctaa 120
tttaatttaa tttatgagat cagagtcttg gtatgttgcg ttggctggtc tggaaactct 180
aggcttgagt gatcctctct cctcagcttc tctagtgggt ggaactgtaa gtgcacacca 240
ccatggcaca aatctcgag 259
```

<210> 1035

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1035

```

gaattcgagg cgcgctcgac attatttgcg gtccttttga attcatttgc ttttttcaga 60
ttgtggggca tttgcctggg aatactaaca ataataaata atatcagta gggataaaga 120
cacagataaa ttgcatggaa aaaggatggg ggggggatcc atttctggct gtgtatttcg 180
ctgccttggg gtcctatcc tcgag 205

```

&lt;210&gt; 1036

&lt;211&gt; 171

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1036

```

gaattcgagg cgcgctcgac ctgtttgtgg tgagggtgta ttatgtgtgt ttttcttagc 60
ttagtgtgtg cgttctttct ttttgtttct gagaatgctg tgttgagggg gtttttggag 120
aaaacggtgg ggttggggag ttgtagtact tcaaacaaa gtgaactcga g 171

```

&lt;210&gt; 1037

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1037

```

gaattcgagg cgcgctcgac cgtttttccc acttcaacag ttacttcagg tttaaagtc 60
tttttatctc tgtaacctgg tgacataaag ccaggaacat ttcccacaa tccaccttag 120
cataaacat aacaatttca ttcacagtt gttattgtgt agaaccaatg aacatgttg 180
tcatttgtct gtatttagtc tttatttcta ttgctatatt tgagcattcc aagattgcag 240
agggtctcga g 251

```

&lt;210&gt; 1038

&lt;211&gt; 159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1038

```

gaattcgagg cgcgctcgac cccatatatc acaagcaata tgggaagaat aaaaaaagta 60
aacctattat tattatattt gagatatggg ctctctcacc caaggctggaa tgcagtggg 120
caatcacagc tcaactgcag cccaatctcc aagctcgag 159

```

&lt;210&gt; 1039

&lt;211&gt; 188

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1039

```

gaattcgagg cgcgctcgac cttaaatttt tgcattcatta ttgcatatc ttgagacaa 60
caaaaatttg ccttttttta gttttttttt tgttgttggg atctaaaaga ttcttatatg 120
taaatacaaa tattacagag aaagtgaata tgatagcnaa aatgtggatt atgaggatag 180
cactcgag 188

```

&lt;210&gt; 1040

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1040

```

gaattcgagg cgcgctcgac taaataaata aattaattaa ttaataaagt aataataata 60
ataaagccca gcttggttgg tgtgctgtag gtagatatc atgttcaag ctctgtctct 120
tctgacctc cgaactgttg tcataaaatc attcattcat acactaaacc atttgatatg 180
tatttactga atccctact cctcgag 207

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&lt;210&gt; 1041

<211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 1041  
 gaattcgcgg ccgcgtcgac acccctcacc cccaaccct caaccttata ttaccttgaa 60  
 attccaccga tgctatatcc gggtttgttt gcaactttca agtgggtatt atttccgtta 120  
 gctttggagg aatattcttg tgatcacgca atcaaccatc atgatagaaa cctcgag 177

<210> 1042  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 1042  
 gaattcgcgg ccgcgtcgac ccactttttg gagagtagca aatctagctt ttttgtacag 60  
 acttagaaat tatctaaaga tttcatcttt ttacctcata tttcttagga atttaatggt 120  
 tatatgttgt ctttttttcc tatgtctttt ggtcaagca acgtcgctcg ag 172

<210> 1043  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 1043  
 gaattcgcgg ccgcgtcgac cagtcaggcg ctgtggctca cgctgtgat ccagcactt 60  
 tgggaggccg aggtgggcag atcgctggg gcgggagtt tgagaccagc ctgaccgaca 120  
 tggagaaacc catctctgct aaaaatgcaa aattggccgg gtgtggtggc atgtgcctgt 180  
 ggtcccggct actcgggagg ctgaggcggg aggatcgctt gaacctgggg ggcggagggt 240  
 gaggtgggca gatcgctgg ggtcgggagt ttgagaccag cctgaccgac atggagaaac 300  
 ccactcttgc taaaaatgca aaattggccg ggtgtggtgg catgtgctg tggtcccggc 360  
 tactagggag tgctcgag 378

<210> 1044  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<400> 1044  
 gaattcgcgg ccgcgtcgac cgttcgattg agttggggtg gaactctggc gtcttctcag 60  
 gtgggtaaag gaaccagcgc ttacgaccgt agatcacttc tgagtaccg ggtccatgcc 120  
 agtggaaagg caccctcgag ccagctcctg cgattccaaa gctgtaagct ggagcggttc 180  
 ccagcaggcc aaatgggggt ggggagtagt gccgaaagag agaggccac tcggtgaagt 240  
 tgttgtcccc gaagaagtac aggtgttcat tgcccaggga ggtggggtcc tgggggtgca 300  
 gcaactgtct cacatactcc tggaagggca agtccacttt gtggtaggag taggtgttgg 360  
 cgggtgtcag ccggaccact ctgtccccaa acgaagccag caacctgtcg cgggagcaca 420  
 gggcccggaa cctcgag 437

<210> 1045  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

<400> 1045  
 gaattcgcgg ccgcgtcgac ggggggattc ttggcgccat tgtgtgcctt gggcgtctcg 60  
 tacaccgct agcccgagg cagtcggcag taggggtcca tgccgggtcat gccgtaattc 120  
 ttggccaact ttgctgtac caccgtgatg ttccagtggc ccacgggtgc cactgcgcct 180  
 ccgtactgca gctgtgggc cggctggggc tccagctgga ccgtgcctg ctgctgtgtg 240  
 ggcgtgatgc ggagggaagtc ctgcgggagc tcacgatgt acaccggccc gcgtgagtg 300  
 ctgacgggtg tcgcatgtt gctcgggctg ccccggtggc tcgccgacc gacagtqacg 360

cgccggggcga cctcctgcgc ccccgccgga gcctgcgacg gagacagttg tcacctcgag 420

<210> 1046

<211> 424

<212> DNA

<213> Homo sapiens

<400> 1046

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 cggcatagtc acagtgcgga cacttgtagg gtttctcacc tgaggaggat ggcgaggagg 120  
 ggtgcgggct gtccctcttg gcactcccg tctgggagag gccgcctccg accccgctct 180  
 cctcgttgac gtttagaggag cccggcggtg tggagcggct caccgactgg gactcctggt 240  
 cactgccega gccacgcgcg tcattccagg ccacgtgcag cccatcctcc tcgcccctgc 300  
 ggtcccgttt gtggacacgg qagtgcaaga ccacctgggt gtaagtgcgg aacacccggc 360  
 cgcagtcggg gcactcgggt ggcttctctt tcattgtccc aggacctgc aggttatact 420  
 cgag 424

<210> 1047

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (251)

<400> 1047

gaattcgcg cgcgctcgac gggggaacaa agcctcccg gtcttgcagt agccccacga 60  
 ggagcccagg atggctgggg caggatggag cagcagagat gaaggagtg ggtgggttcc 120  
 ctgctcacag gtgaggtgag ctatgctggg ctgggtgatg aaccagatgg gaggaggtgg 180  
 tgagacaggg ggagagccag gtgccaggga tagctgctcc ctgttcttgc accagcaatg 240  
 agaaaaataaa nacaccacag agtggtggcag caatcgctgg gggaggggaca cacttggtgg 300  
 tgccgggcagg tggggcagtg ggggttcaag tgttcagggt ggacacacac cacttttgag 360  
 atgactacga aagacccaag ggtgggcgtt aaataggggg ctggatacat aggtctggag 420  
 ctcagcagga cgcgccagga aggaatggg agatgataga atgggaattt tctcag 477

<210> 1048

<211> 192

<212> DNA

<213> Homo sapiens

<400> 1048

gaattcgcg cgcgctcgac catgaaccca atccggagaa ggttccagcg ggtccccac 60  
 cctcccccc tctctctact tctctcttg acagcgagga caggagggg acaaggggac 120  
 acctgggcag ccccgccggc tctccccca cccaccccg cccctcacat catactccaa 180  
 ccaaacctcg ag 192

<210> 1049

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1049

gaattcgcg cgcgctcgac gtttctctct tcgatataa tgtctctgtt tttctctgtt 60  
 tctacctct tctctctcca ctgttctct ctgttttat atttctctct ctttctctct 120  
 attcctgtga tctcagtg cctggggggc cctgtgctgg gggcgccagg agagccacct 180  
 qagagccacg ctgtgtccc qgctttgggg agggtcgggt ggttggtgag tgcacgggtg 240  
 gcgctgtctc acgcgcctcg ggcgcacgca ctcccgggtg ctgggatttg gctggcagta 300  
 cctgccccg ccccgccggc cgcgcgcgc gccaccagcg atcgcttggg agaggggtac 360  
 ctcgag 366



<210> 1050  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (104)

<400> 1050  
 gaattcgcgg ccgcgtcgac atccccgaac cccgcctttcc ggcccccgcc gaccgcccgc 60  
 aactgttggt gctgccgcat tgetcccccc gggctgtagc tgancccgga gcccggtggg 120  
 gccggtgagt ttgagttect gagatctagt tgggtgagaga catgatgttc taccggttgc 180  
 tgtcgattgt tggaaagacaa agagccagcc caggatggca gaactggtec tctgcaagaa 240  
 acagcgcacg agctgccgag gcgcgttcca tggccctgcc caccagga caaggtggtcg 300  
 tctgtggagg tggaaacacg ggcacttctg tggcccatca ccaatccaaa atggggtgga 360  
 aggatattgt ccttttggag cagggcaggc tggctgctgg ctctaccagg ttctgtgctg 420  
 gcatcctgag cactgccagg cacttgacca ttgagcagaa gatggcagac tactcaaaaca 480  
 aactctacca tcagtttagag caagaaacag ggatccgaac agggtaaacac tcgag 535

<210> 1051  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens

<400> 1051  
 gaattcgcgg ccgcgtcgac cacagacact gtggtgaact tccttatccg cgtggcctgt 60  
 cagggttaatg acaacaccaa cacagcgggg tccccgggg aggtgctctc tcgccggtgt 120  
 gtgaaccttc tgaagactgc gttgcggcca gacatgtggc ccaagtccga actcaagctg 180  
 cagtgggttcg acaagctgct gatgactgtg gagcagccaa accaagtga ctatgggaat 240  
 atctgcacgg gcctagaagt gctgagcttc ctgctaactg tctccagtc ccagggctc 300  
 gag 303

<210> 1052  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (286)

<400> 1052  
 gaattcgcgg ccgcgtcgac tgatgaagaa gcacaaggct gccgtggctc aggttccccg 60  
 ggacctggct cagataaatg atctccaagc tcagctagaa gaagccaaca aagagaagca 120  
 ggagctgcag gagaagctac aagccctcca gagccaggtg gngttcctgg agcagttccat 180  
 ggtggacaag tccctgggtg gcaggcagga agctaagata cgggagctgg agacacgcct 240  
 ggagtttgaa aggaacgcaa gtgaaacggc tggagagcct ggctancct ctcaaggaaa 300  
 acatggagaa gctgactgag gagcgggac agcgcattgc agccgagaa cgggaqaagq 360  
 aacagaacaa gcggctacag aggcagctcc gggacaccaa ggaggagatg ggcgagcttg 420  
 ccaggaagga ggccgaggcg agccgcaaga aqcacqaact ggagatggat ctagaaagcc 480  
 tggagggtgc taaccagagc ctgcaggctg acctaaagtc ggcattccctc gag 533

<210> 1053  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure

&lt;222&gt; (511)

&lt;400&gt; 1053

```

gaattcgccg cgcgctcgac cgcggccgcg tcgactcccc aaggaaaatc ttttcagctt 60
ccagacagca accacaacta tgcaagccat ctccgtgttc aggggctacg cggagaggaa 120
gcgcgggaaa cgggagaatg attccgcgtc tgtaatccag aggaacttcc gcaaacacct 180
gcgcattggtc ggcagccgga ggggtgaaggc ccagacgttc gctgagcggc gcgagcggag 240
cttcagccgg tcctggagcg accccacccc catgaaagcc gacacttccc acgactcccc 300
agacagcagt gacctgcaga gctcccactg cacgctggac gaggccttcg aggacctgga 360
ctgggacact gagaagggcc tggaggctgt ggcttgcgac accgaaggct tcgtgccacc 420
aaagggtcatg ctcatcttct ccaagggtgcc caaggctgag tacatcccca ctatcatccg 480
ccgggatgac cctccatca tcccctcct nctacgacca tgaagctcga g 531

```

&lt;210&gt; 1054

&lt;211&gt; 454

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1054

```

gaattcgccg cgcgctcgac ggcgcttgcc tgtaatccca gctcctcagg gggtgagac 60
aggagaatcg cttgaacctg ggaggtggag gctgcagtga gctgagatcg cggcactgca 120
ccccagcctg ggctacagag tgagacttgg tctcaaaaaa aaaaacaaaa acaataaac 180
aaacaaaaaa caacaacaaa aaacaccctg ggtactattc catcaaatga aggtactgtg 240
agtattctaa tcagttccct gttgaggggc attttgattg tttcatgtcc tttactctta 300
ggaacagtga tgcagtgaat atcctgggtg atatttaata gacgttctct gaggtagacct 360
tgcttggatg gagatgcatt gataatagac gctctgtgtt tctgctgccc attatactcc 420
aaacacttgc agcctgtctg tcagtgcgct cgag 454

```

&lt;210&gt; 1055

&lt;211&gt; 435

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1055

```

gaattcgccg cgcgctcgac cgcgcccgcc cccgcccgcc tcccaggggg tcccagcctg 60
gcgggtgaaa gggcactggc ggttccccgt gaggccgatgt ctccatgcgc ggctccctggg 120
ggctcctccct tttgcgcagg cgaggaaacg ggcttggggg tcaggaagca gcccacagcc 180
cgccctggga ggtgacatca ccagggttta ccttcacaaa acacatttaa caacagacaa 240
aacgtgaacg aggagaaact ggagtggagc tttgaaccag ccacagtctc tacgtgtcat 300
ccaaggagcc cggcacagac cccgtgtcac ccccatgtca cccgcagacc ccgcgtcacc 360
catagatacg cacaccccggt gtcaccccca tgtcacccgc gtgtcaccca cagataacag 420
gcccccgtae tcgag 435

```

&lt;210&gt; 1056

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (20)

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (134)..(135)

&lt;400&gt; 1056

```

gaattcgccg cgcgctcgac tgggctgggt ggcattggct tgtaatccag gctactcggg 60
aggctgagac aggagaattg cttgtacccg ggagtcagag gttgcagtga gtgagatcaa 120
gctgctgcac tccnncctgg gcgagagagc gagaatttgc ctcaaaaaac acaaaaaaaa 180

```

```

aacaacacta tgggtttctgt cttggtaatt ctctctctca aatcacttgc tctggaggaa 240
tcaagctatc atggttgagaa cagcctaatt cagaggcctt catagtgagg aactgaaacc 300
tccctaccaat aaccatgtga tgattttagt gcaaatcctt caattcaaat caagctttca 360
gatgactact atcttagcca gtaccttacc tgcacactca agagggaccc taagccagaa 420
tcaaacactc atgcctctga ttcctgaccc tcgggaactgt gaaataacat ttgttggttt 480
aaatcgctaa gtttaagggt ttgttacgca ctgatagata atacaggacc actactcgag 540

```

&lt;210&gt; 1057

&lt;211&gt; 703

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1057

```

gaattcgagg ccgcgtcgac agggaaacata tctttttttc agagcctctg tgtgctgggt 60
tactgtatac ttcctttgac agtagcaatg ctgattttgc ggctgggtact tttggctgat 120
ccaggacctg taaacttcat gggtcggctt tttgtggtga ttgtgatgtt tgcctgggtct 180
atagttgcct ccacagcttt ccttgcctgat agccagcctc caaacccgag agccctagct 240
gtttatcctg ttttctgtt ttactttgtc atcagttgga tgattctcac ctttactcct 300
cagttaatac ggaatgggaa attaaaaacc agtgaattga aagcacatct gaaagatgca 360
attcaccatg gagctttgtc tctggccctt atttgtctaa ttttggagggt atttgataac 420
tgagtaggtg aggagattaa aaggagagcca tatagcactg tcacccctta tttgaggaaac 480
tgatgtttga aaggctgttc tttctctctt taatgtcatt tctttaaaaa tacatgtgca 540
tactacacac agtatataat gcttccttaa ggcatgatgg agtcaccctg gtccattttg 600
gtgacaacca gtgacttggg aagcacatag atacatctta caagttgaat agagttgata 660
actattttca gttttgagaa taccagttca ggcagagctc gag 703

```

&lt;210&gt; 1058

&lt;211&gt; 263

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1058

```

gaattcgagg ccgcgtcgac cctgtctca aaacaaaaaa ccttccttta atcttacatc 60
agatgtgtgg gtttttaaaa ttatttatgt gttttattca ttttatttta ttgagacgga 120
gtcttgcctc gttgcctggg ctggagggca gtggcatgat ctcggctcac tgcacacctc 180
gcctcccatg ttctgagcgg tctcctgctt cagcctccca agtagctggg attacaggtg 240
ccgcacacca caccgaactc gag 263

```

&lt;210&gt; 1059

&lt;211&gt; 316

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1059

```

gaattcgagg ccgcgtcgac ccagcatctc tcaacagtct cagctcgtct attcttaaga 60
tgtcagctta aatgttatct cttcagaggc ccccatgttc tctcttgcaa tggcctgttc 120
tattccatta ggggactttg ccataatatg catattttgt taaaagttcc atgagagcag 180
agggttttgt tcttttacc ctccatacac agcaactgga acaatacaat gcataagata 240
aacatgcaac agataacctg aaggaaatgt gtttcattgc ttcattcctt cctatacatt 300
attgtctccc ctctgag 316

```

&lt;210&gt; 1060

&lt;211&gt; 393

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (27) .. (29)

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gaggaagcag cttggttaaa aaacaaaagc cctgatatgt atatatattt ttttctctga 180  
agaataccat caggatgaag gctatgatta atacacataa ttgctacaaa tggcagctaa 240  
ctgcagaaaa ccacctccca gctgttggag gaaggaaatt gctgacagcc actccccatt 300  
gggtggctac caaaagagag gagctcacag gaggaggaga gaatacacat ctccatccca 360  
cgtgacccat agagatgacc cattaggctc gag 393

<210> 1061  
<211> 247  
<212> DNA  
<213> Homo sapiens

<400> 1061  
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aattaaccaa ttaattttta agccctaaat aagcttttct gtgcatttga gatctagaag 120  
atacagcttt attaatctga tctaaatttc tgaagggggc ttgtatttct gtaatcagt 180  
atatcagtag tcactgttgg gcaaaaggga ttttttaaaa gaaatgcaca tagcaggctt 240  
tctcgag 247

<210> 1062  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 1062  
gaattcgcg cgcgctcgac aaaatagccc tggaaagtga gccttcagct cctctaccca 60  
cagctgacta aaaacattgg caagtttctc acctaggctg ttgtaccctg aatataaatg 120  
agaccattt ctggccagaa aacttcagct atcacagctc acattgtgat gagttgctt 180  
gctgttttct caagcaaaa aaggtgcatg gtctcatgta tttcccccca acacctcgag 240

<210> 1063  
<211> 429  
<212> DNA  
<213> Homo sapiens

<400> 1063  
gaattcgcg cgcgctcgac gtgggagcgg aggtagggga gctcagaggc aggaagcatt 60  
ttcggaacac cactgcagag taggcattgc atcccccca ccagcactgg gggagcccaa 120  
tgcccaccac ggacaagggg tgcagacac ttgaactagc agccaaggaa gtccctacca 180  
tctcatgatg aggagcataa aggtgggtgt atgtgcaact gcttagaggc agataaataa 240  
atgtgaaggc aaagtgggac aaggaagcaa gaggtggaaa agaccaacaa aattcaacta 300  
acttcctccc ccagtcacac actatgctaa ccccttctgc cactgggcca actgcagaga 360  
taaaaatgcc agtgactcac tccagggtgg gctcttgagg ctgccacaag cctgatactc 420  
agcctcgag 429

<210> 1064  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 1064  
gaattcgcg cgcgctcgac gaattggatg cctacccatg acgaacgagg cggagactat 60  
tgccgggaatc ttaactgttc ggagctgttc ctagaactaa ctcccttact gtcattgatg 120  
tgcatccac tctgtgcttc tctgtacac cattcaagtt ttaatttccc aggtgaacca 180  
tcttttatctg ccattacac aagcctcgag 210

<210> 1065  
<211> 252

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (138)

<400> 1065  
 gaagaaaatg aagcacctgt ggttctctct cctgctgggtg gcggctccct tacgggtcct 60  
 gtcccagggtg cagctgtatg agtcggggcc agggctgatg aagccctccg agaccctgtc 120  
 cctcacctgc ggtgtctntg gtggctccct cagtgggtgt gccgacttct ggggctgggt 180  
 ccgccaggcc cccgggaagg ggcttgagtg gattggcaat atgcaccatc gtggaaatgc 240  
 ccattacaat ccgtccctcg ag 262

<210> 1066  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 1066  
 gaattcgagg ccgcgtcgac ggaccggagg cgtgttgttg gcgttctaga ccttgaacga 60  
 cggcgggtta ctgggtggct tctggatctg gatcgcttc tgcctactgg ggatgctctt 120  
 gaccgggac ttcgtcgagt cactgaagtc ctggacctg accgtctccg gctgactgg 180  
 gaagtccgag atctggacct acgtcggtt atcagggggg ttctggacct ggatcgccgg 240  
 tgagtggctg gagaggctcg ag 262

<210> 1067  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 1067  
 gaattcgagg ccgcgtcgac ccgcgataga attctagacc tgcctcgagt tctcaattct 60  
 gttaacaatt taaaatttca ttaattgtg ttaatatcaa tgaatttcaa aaggctcttc 120  
 gag 123

<210> 1068  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1068  
 gaattcgagg ccgcgtcgac ggggttctgt ttccatacaa cattgtttat ttccgattcc 60  
 tcagaagatc ctttattatg aataacctca gtgtaatgt aatttccgt ccccatgtca 120  
 aaattgtcac cctaaagcct tttttttttt tttttttttt ggagacgggc tcaactctgtc 180  
 agccacgctg gagtgcagtg acatgatctt gactcatggc aggcttgacc tcttgggtc 240  
 aaggaccacc tccaagcac tcgag 265

<210> 1069  
 <211> 153  
 <212> DNA  
 <213> Homo sapiens

<400> 1069  
 gaattcgagg ccgcgtcgac gattgtagat attggggctgt taattgtcag ttcaagtgtt 60  
 taattctgacg caggtttatg cggaggagaa tgttttcatt ttaattatc taacattagt 120  
 tctttctatg ggtgalagat tggtcacac gag 153

<210> 1070  
 <211> 563

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1070

```

gaattcgcg cgcgctcgac agggcacttc ctctaagtaa acacaaatat ttctgtagtg 60
aactgtatgc atattcccac tgagtaaagg ttataagaag cctcaggtea ggtcttacca 120
ccaaacttga aaacacttgg aatgcagctg ggcagggact tgagcagggt ttgtcttgat 180
aagcaggtaa gaatggcaga acactggctt attgtcaacc aatgtttttt tatatacctg 240
aagtattcat tgaattctag acctgcctcg agtatgggga gatgggaaaa ggcaggttag 300
gggcatgcag gctcaggga cagggtcttg gtgggtggat ggatagccat ggaggcagaa 360
agaggcctct gcaggaagaa cctgggagag cggagaggag gtggtgaggg aggggagcac 420
tatggaatgg ccctgaggcc agggggggcc caggatgacc aggcaaaagc acagctggtc 480
caggatggag gggaggcctg cacagcatga gcaggaggct agaggagaca gaccatgagg 540
ccctgggaga cccctcactc gag                                     563

```

&lt;210&gt; 1071

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1071

```

gaattcgcg cgcgctcgac gtcgatgcct tctagtctca gtgaatttaa cctgtgattt 60
tatgtctacg tatattgttc ctttactgaa cccaccacat gcggggccata aaatgagtga 120
aatcacagtg caccctgttc tcttattttt gaagtgtttc acgatttcca gcatgtccat 180
cagatggggg gattgctaac ttctctctta ctcatgtact tacattctgt agttctcatt 240
gcataccttt ggatgtttac ttgaaaagc agaaactgtc tctttaaact tggccctcaa 300
tgtcattttg gtatctctga gaacaatagc tatgtccac cccagtttgt atttccgttg 360
gttggtggca cttttttctc attcccccat ctcatcact tgtctgtttt ctggcactca 420
ctataatcag ccttgacta gagctgtttg tggacttggc ttcacccct cctcctcagc 480
cctccccac ccattaaatt gcgagctcga g                                     511

```

&lt;210&gt; 1072

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1072

```

gaattcgcg cgcgctcgac agggcatcga gagtagtggg aacgtgggtat gagatcaggt 60
tggaaaggcg aatgaaqatt gaaaaaaaaa agacggcnaa tagagttagat gctgctagac 120
caattaggaa acttctagtt caggcaagag ataatgatag cataggctga ggacaggtgt 180
tgggtgatgg gatgcaaaga gcgttaggat tctgagatat ttggcaggta ctgttgatag 240
gtggagtggg ggtagaagag aaagatcatg agtttgactt tagatatgtt aagtttgatc 300
taccttgaag acatccaaga gaagacaccg ggactcgag                                     339

```

&lt;210&gt; 1073

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1073

```

gaattcgcg cgcgctcgac ttgatatttc tttccattt ttttcagttt tttttgcttt 60
tgtctctcaa ttttgaaagt ttctattgac acatctctaa gttcagagac ttgcttaggc 120
catgtccggt ctactaatga gcccatcaaa agcattcttc acctctgtca cagtattttg 180
ctctgtatca tttctttttt attctttctt agaacttccg ctctgag                                     226

```

&lt;210&gt; 1074

&lt;211&gt; 186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1074

```

gaattcgcgg ccgcgtcgac gcagatgtcc atttcaacag gcttaagtgc aaccatgaat 60
ggaatcatcg aactcttgat tcttcttgga ataataagta ttcctcctgt tgtaagaaac 120
ctggctgctt tatgcttggg atgctgtgga ctacagaatc aggattttgc aaggaaacac 180
ctcgag                                           186

```

&lt;210&gt; 1075

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1075

```

gaattcgcgg ccgcgtcgac ggtagggtac caccacatat atttataggc ttccagagtg 60
gcttagccat ttgaaacca gtcatatctt atttggcatg cttctagctt taacaattaa 120
ccttcttaca ttaatacatg ctttgaatcc agagagtatc tgctgctttg gatctgaaat 180
ggactggcag atctgcggag ctacagcaga gaaaaaatac tggggagaaat taaaagtctt 240
ccctata                                           247

```

&lt;210&gt; 1076

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1076

```

gaattcgcgg ccgcgtcgac atacctccat ttgcaaacaa aatttcattc ccacttcttg 60
agtcacatca gagtgtctgt ccaaccttcc tctgtctctt gctaaatatt accgtctctg 120
tggtacattc ctattggcat actaactgct gctattttct ccattctgaa aacaggaata 180
acaaattaac ttatcatgat tctacttccc caaatactcg ag                                           222

```

&lt;210&gt; 1077

&lt;211&gt; 167

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1077

```

gaattcgcgg ccgcgtcgac ggtaaagggt aagtcagctt tttctagctt acagtctctg 60
catccagttc ctgagctaaa ataggcgcta cagttctgat tttggctttg tcatttgagt 120
ctctggctct tttctgtatg ggtcaagcta gaaggggaca actcgag                                           167

```

&lt;210&gt; 1078

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1078

```

gaattcgcgg ccgcgtcgac atatatctgt atttttgtat gcttctggaa aagacaggaa 60
ataaacacca aaatgtttgc agtaggtatc tctgtgttaa gattagtgtt attattttct 120
ttctgtactt tttctgtatt tcccaactgt tatataatga gcgactcgag                                           170

```

&lt;210&gt; 1079

&lt;211&gt; 225

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1079

```

gaattcgcgg ccgcgtcgac ctaatgcata acagcattct ttgaaatgga accagacaca 60
gcctgcctct caatcctcag ctgggggtct ctagcagcct cttgtattta ctcagagttg 120
acacatcaca cagatcctgt ttggcattcc taccttacgg acgtctcagg ggtgacagga 180
ccagggcaga gccccgggtac aaacagacaa ggtgcgaatc tcgag                                           225

```

<210> 1080  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<400> 1080  
 gaattcgcg cgcgctcgac cgcattgtcca gtgggtctgg aagcaagcac ttgaagagaa 60  
 ggaaggggag aaaggggtccc ccttgcctgc tgcctctgag gaatggaaat ccttagacc 120  
 cggccttttt tggaccaata taaatttaat ttaaattgac agccttccat ttttcgagaa 180  
 agtacaacaa gaactgcttt agcaccact cgag 214

<210> 1081  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 1081  
 gaattcgcg cgcgctcgac gtgggtgtctc tacaatactg tgctttttct ctccattaac 60  
 ataatgcac tgagagtact tctccttcag catgtctctg ag 102

<210> 1082  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 1082  
 gaattcgcg cgcgctcgac agccaatata ttccatttta aagcaagcaa taaaaactta 60  
 tttcgtctgt taatattttt attgacttta aaaagacttt gaacttagtg aaagagaatc 120  
 agtcacctag aaatgtactg ctctcatcta gctgggaagg tcattgtaat tttctctat 180  
 atagatttgt ttgctctaga taagcggctc aatttgaata gatttttagt ggtagaaga 240  
 gatgacggaa gcacattaat ggaacaactc gag 273

<210> 1083  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400> 1083  
 gaaattcgcg gcgcgctcga ccttaaaccg tcgattgaat tctagacctg cctgctttcc 60  
 tgcctgcccc acctgcctca tattgtgtgg gccttttttt gttgtgttca ttcattgtt 120  
 tttttttttt aattatttta aatgagattt ttgtttttt taaatgcaat atctctgtat 180  
 acagactggc tgggccccac cccctgcgtg tggcctccc acagtatttt gtgcaatgaa 240  
 gccctgctcc cagccactct cgag 264

<210> 1084  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<400> 1084  
 gaattcgcg cgcgctcgac caacagccag ttggcctcg tggacatccc tgtggagtcc 60  
 aagctgggtca ttgcctcagg cctgctctcg gacttctgca tggcgctccc ggccgaccgc 120  
 gtcttgcaat tttcctctgg gaccccgaa gtgaaagtgc ctctctgaga tggcagtgtc 180  
 ggtacccact gccaccctg gctgcctctg ggccgggaac ccaacagggc ccggggaggg 240  
 aacctgtccc ccaacccccc acagcaaggc tgtacagtct cgcctctgga agactgagct 300  
 gggaccccca cagccatccc ctggcttggc cagcagaacc agccccaagg cagcaccctt 360  
 ggtaaataaa gcagcaactc gag 383

<210> 1085  
 <211> 282



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1085

```

gaattcgcg cgcgctcgac ctttgagatt gtcacttctg tacataaacc acctttgtga 60
ggctctttct ataaatacat attgttttaa aaaaagcaag aaaaaaagga aaacaaagga 120
aaatatcccc aaagttgttt tctagatttg tggctttaag aaaaacaaaa caaaacaaac 180
acattgtttt tctcagaacc aggattctct gagaggtcag agcatctcgc tgtttttttg 240
ttgttgtttt aaaatattat gatttggcta cttgcactcg ag 282

```

&lt;210&gt; 1086

&lt;211&gt; 184

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1086

```

gaattcgcg cgcgctcgac cctgtttatt agaaagtga gagaggatga ttatgttctt 60
tcatctcttc agtgtcttag tactccctac acctgcgtta tgttatgacc tacctttgcg 120
atctgccagt tttgggggtca gcttaagtga gaattcatat tctgcttcac tgggaatcact 180
cgag 184

```

&lt;210&gt; 1087

&lt;211&gt; 190

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1087

```

gaattcgcg cgcgctcgac gtgagtcacc atgcccggct attgctttct tatattgaca 60
gtgggtttgt actctctcta tgtcctacgg cactgccatc agatgggtgg aaattatgac 120
agggtgtgtc tgggtatcct gtagctaagt aatacctagc gaggaaatca ggattagaaa 180
ataactcgag 190

```

&lt;210&gt; 1088

&lt;211&gt; 110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1088

```

gaattcgcg cgcgctcgac caaataataa aattgttcaa caggaagctt tcttgqccag 60
gtttctccac caaatccata atgtgtatgt cctttgcccc tatgtctgag 110

```

&lt;210&gt; 1089

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1089

```

gaattcgcg cgcgctcgac ctgttaataag cattataatt cctgttctta aaataataag 60
ttcatttaag gaaaaggggg tgaaggaaa aatctgcaga atttaggtct gagataatac 120
catttcaaag cactgtgata caaattactt atatatgtta tatactgtgt gtgtgttaac 180
tacttttatt tgggggcttg ttttgcatac atgtgaaggt ctcgag 226

```

&lt;210&gt; 1090

&lt;211&gt; 267

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1090

```

gaattcgcg cgcgctcgac ggcaggataa aacaacataa aaaatataaa acaatttttg 60
ctttgaaaaa tacagtgcag gtgaccattt actgcttatt ctgtaatcct tactgtctat 120
aattaacttc agtaacactg aaatttgatg aaaagtttta aaaaatttat tactgtaggg 180

```

acaaagttaa atggaatgtt gttattttct atactatctg aatgcactgc cagtgaagac 240  
tqtaaagaca gaacacaaac actcgag 267

<210> 1091  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 1091  
gaatttcgagg ccgcgtcgac gtcattttgc tttttccct ctgggtgaaa atcattcctt 60  
ttttatcccg tggcatatat atgtttgcct ttataaatta ggatcaattt ttgtatgttt 120  
aggcagtcac ttttactttg cgtttttcta ttctgtttta aaagcattta tggccaaaaa 180  
ctcgag 186

<210> 1092  
<211> 282  
<212> DNA  
<213> Homo sapiens

<400> 1092  
gaatttcgagg ccgcgtcgac gtggtctact cgtggataag ttcaaaactaa atggatggga 60  
aaaaatataa catcctaaca ttcataaagg aaagctgaag tggttacatt agaacaagca 120  
atgtttgctaa ggataagatg agacatttca taatgataaa tgggtgaatt catcaagaaa 180  
acagttctaa acaggtgtgt acctaatcac agttttcaaaa tacatgaagt aaaatctgct 240  
ctcatgaaa ggaaaaatat ataaaatcaa aatctactcg ag 282

<210> 1093  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 1093  
gaatttcgagg ccgcgtcgac gccttctatt gtgctttgtt tttgtgact tttctgcac 60  
ctgtttcctt tggatattca gttctctcaa cctcaagatt gagacggtgg tgggtatgct 120  
ttctcacttc catatgaact tcatgctgtt ctggaatata acatgctaag aggtcatcct 180  
tcacactact tgaagccaa cactcgag 208

<210> 1094  
<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 1094  
gaatttcgagg ccgcgtcgac ccttaattgcc atccttcatt gtctttctgg ctctcttct 60  
tttggcacaq taccattttg ggtctgtgcc ccagtgtgga gcaaaacatt gctgttccca 120  
ttctgatata ctccagaatt tgagagcaga agttaatgtg gaacaaaagt ttccaccatc 180  
ttctcgag 187

<210> 1095  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 1095  
gaatttcgagg ccgcgtcgac ggcactgctt tttttttaaa cagttaagta ctgatgtcaa 60  
cagacaaata ttctgatca gatagtcccc tggcaacagt agcaaatgtg gtttcataaa 120  
gtgggaugaa aacagcattt taaagtaact ttttggggaga ctgatttgag taataataaa 180  
actctggtct ccttaagaa aaaaaaaccc ttccgtctga g 221

<210> 1096

<211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 1096  
 gaattcgagg ccgcgtcgac tataaataga tttttttgtt gaatgttaat tcagttatat 60  
 atttcttctt tgatatgttc tttagttgat gcaggccagt taaaatgagt gacttcaagt 120  
 ttttagagaaa tacataacaa tgtcagttta taattatttt gttttttata caatttacta 180  
 ttttagaatc tcattcatat tccattgtat tcccatgaat gatacttttg gacaactcga 240  
 g 241

<210> 1097  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (29)

<400> 1097  
 gaattcgagg ccgcgtcgac gagacacena aatccagtca gtatctaate tggtttttgt 60  
 taacttccct caggagcaga catteatata ggtgatactg tatttcagtc ctttcttttg 120  
 accccagaag ccttagactg agaagataaa atggtcaggt tgttggggaa aaaaaaagt 180  
 ctggtctctg ag 192

<210> 1098  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 1098  
 gaattcgagg ccgcgtcgac cgtcgattga attctagacc tgcttcgaga tgctccttct 60  
 taactgtctg gctctgtgct tcattggcctg catgacgctg ctgcccacct ggttgggagg 120  
 cgtcctccca ggcctctccg gccccgacat ctctctgccc tgcggctcct ataaccctcc 180  
 cccactcgag 190

<210> 1099  
 <211> 152  
 <212> DNA  
 <213> Homo sapiens

<400> 1099  
 gaattcgagg ccgcgtcgac gtgtgtgttg tttgtcagac ttttttgaaa gtttggagtt 60  
 aatgggagat gagaaagcat attgaaaqaa tacttttctt tttttttaat tattattatt 120  
 atactttaag ttttagggta cgagcactcg ag 152

<210> 1100  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<400> 1100  
 gaattcgagg ccgcgtcgac ccccgatcca ggcacctggc nctcagcggg cccacctttg 60  
 gtatcattgt gaaacacttc cccaagctgc tgcccaaggt cctgggtccag ggcactgtct 120  
 ttgcccgcat ggcctctgag cagaagacag agctgggtgt cgagctacag aagcttcagt 180  
 actgcgtggg catgtgcgga gacggcgcca atgactgttg ggcctgaag gcggctgatg 240  
 tggcatctc gctgtccag gcagaagcct cagtgggtct accctccacc tcgag 295

<210> 1101

<211> 259  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (32)

<220>  
 <221> unsure  
 <222> (48)

<220>  
 <221> unsure  
 <222> (66)

<220>  
 <221> unsure  
 <222> (205)

<220>  
 <221> unsure  
 <222> (212)

<400> 1101  
 gaatttcgcgg ccgcgtcgac tattggagtg cnaagtgcgtg tgattgtngg tgggaattgat 60  
 tcaatntctc aatcttttggc ccttgcacaaa aaaccacata taataatagc aactcctggt 120  
 cgactgattg accacttggg aaatacgaaa ggtttcaact tgagagctct caaatacttg 180  
 gtcattggatg aagccgaccg aatantgaat anggattttg agacagaggt tgacaagatc 240  
 ctcaaagtga ttctctgag 259

<210> 1102  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 1102  
 gaatttcgcgg ccgcgtcgac gttaaggagt aggcctcctg aqtaaaggag gtgtgatttt 60  
 ttttttcttt gaggtgggag tatagtggga actaaataaa ctacgtgtga atttaccata 120  
 tcaactaaaa ttttgatcaa atgggttttt taaattgtgt ggtacttctc gag 173

<210> 1103  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 1103  
 gaatttcgcgg ccgcgtcgac ggggtgggta tgcgccaaac ctatttcagg cagcgcacaa 60  
 agtaggtgga gccgatgtag ccaccctgca tggagcgtg cacgttctgc tcaaacagcc 120  
 gccggttgtt ctgcaggacc tctgcggcct ccttgttcag tgggtcctcg ggggtgggct 180  
 ccaagaaagag atactgcagg ccataaatta tggagtttat cgttaaggact ggcttccagt 240  
 cctctctgaq gatgttgagg cagacgttgc cctcgag 277

<210> 1104  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 1104  
 gaatttcgcgg ccgcgtcgac agaatacttc gcctaaaata ctgttaagtg ggtaattga 60

```
tacaagtttc tgtggtggaa aatttatgca ggttttcacg aatccttttt tttttttttt 120
tttttttgag acggagtctc gctctgttgc cacgctggaa tgcagtaacg tgatcttggc 180
tcaactgcgac ctccacctct cctctgag 208
```

<210> 1105  
 <211> 180  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1105
gaattcgagg ccgcgtcgac gttcctctct ggcatgggtg ctcaaattga tgetaactgg 60
aatttccttg attttgcta ccattttaca gtatttgtct tctatttttg agccttttta 120
ttggaagcag cagccacatc cctgcattgat ttgcattgca atacaacat aacgctcgag 180
```

<210> 1106  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1106
gaattcgagg ccgcgtcgac gtcgacggcg ccgcgaattc gcggcgcgtc gaccagga 60
aggcctgttg ggctctctc ccgcgcctcc acacgcctc gcacccacc gaggcgccag 120
cttctgcctg cagcttgctg aaactggcct ggaggttctg acaagaatta gagcggcggc 180
cgttgccccg gggatgacct ggaagcgaaa gagaccggca cgaattctag agtttcgggg 240
tttcgcgggg ttgagattgt acgggaaaca atgcattaac caaacctaaa aatcaaaca 300
acactcgag 309
```

<210> 1107  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1107
gaattcgagg ccgcgtcgac cagcattagc agaccgaaac aggaggggaag gaagtggtaa 60
cccaactcca ttaataaacc ccttggttgg aagagctcct tatgttgga ttgtaacaaa 120
accagcaaat gaacaatccc aggactcttc aatacacaat gaagattttc caggcattac 180
tcgag 185
```

<210> 1108  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1108
gaattcgagg ccgcgtcgac atgtattgga tgaacgaata tacctcatcc attggaatrg 60
gagtttttca ttcaggaatt gaagtctatg gcagagaatt tgettattgt ggcatcctt 120
accccttttc tggaaatatt gaaattttcc caggaaatgc ttctgaaata ggagaaacat 180
ttaaatattaa agaagctgtt gttttaggga gcacggactt cctagaagat gatatagaaa 240
aaattgtaga agaactggga tcaactcgag 269
```

<210> 1109  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1109
gaattcgagg ccgcgtcgac acctgattac tttttacct ctacaaccag gagaattttg 60
aatttaaaaa taaatccaaa catttctctt catattatca atgettatat attccttaga 120
ctattgaaat ttgagagaaa atgtatttgt gttcacttct cgag 164
```

<210> 1110  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 1110  
 gaattcgcgg ccgcgctcgac gatttttaaaa tttttctttc ttaaatttct ctttcattgtt 60  
 atgaattgtt tttctgattt tattgaatta tttttctgta ttatcttgta tcctattgag 120  
 ggtttttgt ttgtttgtt gtttgtaga cagagtgtca ctctgtcacc taggctggag 180  
 tgcagtggcg tgatcttggc tcacaacaat ctttgccttc caagtccaag tgattctcct 240  
 gccccaaacc tcgag 255

<210> 1111  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 1111  
 gaattcgcgg ccgcgctcgac agctcttttg cctcagaatt ttcagtagcc agtatttctg 60  
 attaactaag ttgaaactct tattagaaac tttcagttgg tgatattgta ttctagaaga 120  
 tataaatgag aggtttggct tcctctcagt tttagaaatt attcaaaagct aaagatgtat 180  
 atatacatat acttttgtgt gtatatatac acatatgtgt gtatgcagtt tgtcagggtta 240  
 tatatagaat ttctattaag gattttttta atggacagct cgag 284

<210> 1112  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens

<400> 1112  
 gaattcgcgg ccgcgctcgac tgcaattcta atgcattcta cgtttttgaa aatcgataat 60  
 ccattggaagg tccatgggtt gatacctcag gtcaaaaatg tgtttactct gttgattgct 120  
 gtttcacttt acttgatat cagatatata agctatgaac acaagtttgt agtaaaagta 180  
 tttttctgtc gggcaatggc tcacacctgt aattccaaca ctttgggggg ctcagggtggg 240  
 aggatttcta gtccccagga gtttgagacc agcctgggca ataaactaga cccactctc 300  
 gag 303

<210> 1113  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 1113  
 gaattcgcgg ccgcgctcgac ggggcttgta atttacatga gaaccgtgct ggtcactagc 60  
 gctgtctgtg tctgtctgtc ctgcgggact tctgtctctc tcgag 105

<210> 1114  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (73)

<220>  
 <221> unsure  
 <222> (86)

<220>

&lt;221&gt; unsure

&lt;222&gt; (104)..(105)

&lt;400&gt; 1114

```

gaattcgcgg ccgcgtcgac gagaggagac acaggaagcc cagagagcca gatcgagaca 60
agaaacaccg agnaaaaagc agcacnaggg aaaaagaga gacnnattcc aaagagaaaa 120
gtaattcatt ctctgacaaa ggggaagaaa gacataaaga aaagcgacac aaagaagggt 180
ttcattttga tgatgagagg caccgctata ctcgag 216

```

&lt;210&gt; 1115

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1115

```

gaattcgcgg ccgcgtcgac gctttctggt gattgggacc ctgatgccaa gtgccactt 60
tgcaaagaag aaaaagttaa tgacctgct cccttggtc ctgtccatgc ttgcctggcc 120
tcctagagtt ggaggaacaa gccctctcct ggagaggca ggagagcaag tgctctccta 180
tgatccaata catcaggcgg gagtgtctgag tccgtcagga caccactcct cgcagcatca 240
aggctccagt gggttgggtc agggcagtga gaaggggtgg ctcgag 286

```

&lt;210&gt; 1116

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1116

```

gaattcgcgg ccgcgtcgac gaagaaaata ccaagtgttc attctgtcat tagcaaggaa 60
caccaatgag gtttcttttt ttctctatt tagggcatat taaaattatc ctccagagta 120
cttgatttga aaatcaagtt tatgtctctg aaaagaatcg tgggctcgag 170

```

&lt;210&gt; 1117

&lt;211&gt; 191

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1117

```

gaattcgcgg ccgcgtcgac atttctcttg gaattgggct gctaacaact ttatgtatg 60
caaacaaaag cattgtaat caggtttttc taagagaaaag gtccctcaaag attcagtgtg 120
cttggttact ggtattctta gcaggatctt ctgttctttt atattacacc ttccattctc 180
agtcactcga g 191

```

&lt;210&gt; 1118

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1118

```

gaattcgcgg ccgcgtcgac gttctttctt tggaaaccag ttggaaaaga tcattttgta 60
accagggggt ctgttcttat agatgcatac cagaatgata cacagtcaga actttgtggg 120
ccctctgtta atgctggaaa tttttcaaca ggcttggaag acagccggac tcgag 175

```

&lt;210&gt; 1119

&lt;211&gt; 205

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1119

```

gaattcgcgg ccgcgtcgac attctatagg atttctata taagagatta tgcgctctgt 60
gaaaagagat cgtttttatt ctccctttgt gatctggatg accttatttt ctcttctctg 120

```

cctaattgcc ctgattagaa ttccactac aatgttgagt atttgtggta agagcagata 180  
 ttcttgtctt gtccctgac tcgag 205

<210> 1120  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 1120  
 gaattcgagg ccgcgtcgac cacagacata gttctaaatg actttcagct atttctagaa 60  
 attagacaca tcttcttaag cgaagggtta ccatgtttta ggttccatga aagaatgtgc 120  
 cctaagttgt tgcctagccc ctggctgaga agaaacgggc gtgtgggagg cgggtgaaga 180  
 gcacacaggg aggggacgga gaagctcctg agccagcctc cttcatggct cagtttcatt 240  
 tcagtgcgtg gcacttccca gaagaaacga ctcgag 276

<210> 1121  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<400> 1121  
 gaattcgagg ccgcgtcgac ggggggtccc cctgctgagg agagaccagg tggaccccag 60  
 ctgctctgca ccttctatct gggacttgc tgcacacccct aggalagtct cataaagggg 120  
 aggtctgggc agcctgctgc tgtctgcttc aggaccaggc agagagttag gctgggggtt 180  
 ctacacacct actccacgg gcacatccca acctgcactg gggcccaccc gagcgttct 240  
 tctggtctca gccgtccct tggcagctgc agccccatg cagaagaggc tcccaggccc 300  
 aagctctgtg tgacccagag aaataatgat gcactcgag 339

<210> 1122  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<400> 1122  
 gaattcgagg ccgcgtcgac ccatacccag cctgtttaat tctttataat tcaattctgt 60  
 tgtgaaaaca gcattttata ctttaagctta atgattgcaa cagtcaaaat tatttatttt 120  
 ttaaacctca ctatcattt aggaattatt ttcccgaag gactcgag 168

<210> 1123  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 1123  
 gaattcgagg ccgcgtcgac attcatctag catggaaggg agtgaacacg gttctcgga 60  
 gggttcggat gttgcctgca ctgaaggcat ttgtaatcat gatgaacacg gtgatgaact 120  
 ttgtgttcat cactgtgaag acaaagagga tgatggtgat agttgtgttg aatgttgggc 180  
 aaattctgaa gcagaactcg ag 202

<210> 1124  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 1124  
 gaattcgagg ccgcgtcgac cattattgta aataaaacct aatattttta actatatata 60  
 tcttttttaatt tagattacac caccaccttc actgtcagat ccacttaag agcttttttc 120  
 acaacaggaa gttgtaagga tgaaactacg ttgcaacac agcatactcg ag 172

<210> 1125  
 <211> 164



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1125

```

gaattcgcg cgcgctcgac cgattgaatt ctgacctgc ctaggcacag atgctaattgc 60
aggcactgca ggtaagctgg gcttgggtatc cttccctggc ttcagaaaaga agccaacaag 120
gagcggttttg cagaatgaaa cctttgtttc cacaagcact cgag 164

```

&lt;210&gt; 1126

&lt;211&gt; 563

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1126

```

gaattcgcg cgcgctcgac atttgggtcat tgggaattac tgcatttgaa ctagccaagg 60
gagagccacc taactccgat atgcatccaa tgagagttct gtttcttatt cccaaaaaca 120
atcctccaac tcttgttggg gactttacta agtcttttaa ggagtttatt gatgcttgcc 180
tgaacaaaaga tccatcattt cgtccctacag caaaagaact tctgaaacac aaattcattg 240
taaaaaattc aaagaagact tcttatctga ctgaactgat agatcgtttt aagagatgga 300
aggcagaagg acacagtgat gatgaatctg attccgaggg ctctgattcg gaatctacca 360
gcagggaaaa caatactcat cctgaatgga gctttaccac cgtacgaaag aagcctgac 420
caaagaaaagt acagaatggg gcagagcaag atcttgtgca aaccttgagt tgtttgtcta 480
tgataatcac acctgcattt gctgaactta aacagcagga cgagaataac gctagcagga 540
atcaggcgat tgaagaactc gag 563

```

&lt;210&gt; 1127

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1127

```

gaattcgcg cgcgctcgac ctcttagctg agcagggcag agcatcatgg ataccgactt 60
atatgatgag ttctgggaatt atattggacc agagcttgat tctgatgaag atgatgatga 120
attgggtaga gagaccaaaag atcttgatga gatggatgat gatgacgacg acgatgacgt 180
aggagatcat gacgatgacc accttgggaa actcgag 217

```

&lt;210&gt; 1128

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1128

```

gaattcgcg cgcgctcgac gaaaaccgct acattgtcct ggccaaggac ttcgagaaaag 60
catacaagac tgtcatcaag aaggacgagc aggagcatga gttttacaag tgacctttcc 120
cttccctcca ccacaccact caggggctgg ggcttctctc gcacccccag cacctctgtc 180
ccaaaacctc attccctttt ttctttaccg agagctctcg ag 222

```

&lt;210&gt; 1129

&lt;211&gt; 185

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1129

```

gaattcgcg cgcgctcgac ggctgcagac agacaaacac ctgagctgtt ctgaataacct 60
tcaggttccg ggctcccttg agcaagtgca gaaattttta ccttcaagga tcagggtttt 120
tctgtttgtt tgttttttaa cacacataaa tgggaacaaa gagtatgcgt ttgtactggc 180
tcgag 185

```

&lt;210&gt; 1130

&lt;211&gt; 167

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1130

```

gaattcgcgg ccgcgtcgac cgtgtgagtg tgtgtttgta tacgtctggc aattaaagct 60
tgtctctctg gaacttagtg aattctcttc tctctctctc ccagaagtat ttgttacaag 120
atttgtaaat aagagctcta cttagtctgt ttaccatgaa cctcgag 167

```

&lt;210&gt; 1131

&lt;211&gt; 218

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1131

```

gaattcgcgg ccgcgtcgac cttctgtctt tcttctctca caattctact ctctctctcc 60
tgtctctctt ccaattctat ctctctctct cctctctgct cctctcttat cctatactta 120
tggtctgtca acttctgtct attctctctt cctctctctc tcccacctgc ctgttcatcc 180
tattctcttc tcttgcctgt ctatccccac cgctcgag 218

```

&lt;210&gt; 1132

&lt;211&gt; 354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1132

```

gaattcgcgg ccgcgtcgac cttcttgatg ttttctcttc tattttatct ttctgttttg 60
tgtgtctgca tgggtgtttt cgggcagtggt cttctgcat catcaccaca tgtttctctg 120
ctgcccactg tcttgagggt ggcgcgtctg gaagccctgc ttcttgcctg ttgcgggacg 180
agtcccgccc tctttttctc tgtccccatc ggtagtctgc gtgcacgtgt tttccacagt 240
aaaaccgtgt tgtgtaactc tttccagcaa agtaacaatc cgccattaca aaggctctcc 300
tccttgatcc agttaacgag tcagaactct tctcccaatc agcagaacct cgag 354

```

&lt;210&gt; 1133

&lt;211&gt; 464

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1133

```

gaattcgcgg ccgcgtcgac agacttgcta ctggaataga agaactacgt actaagctga 60
tacaaataga agctgaaaaa tctgatttga aggttaacat ggctcacaga actagtcagt 120
ttcagctgat tcaagaggag ctgctagaga aagcttcaaa ctccagcaaa ctggaaagtg 180
aaatgacaaa gaaatgttct caacttttaa ctcttgagaa acagctggaa gaaaagatag 240
ttgcttatct ctctattgct gcaaaaaatg cagaactaga acaggagctt atggaaaaga 300
atgaaaagat aaggagtcta gaaaccaata ttaatacaga gcatgagaaa atttgtttag 360
cctttgaaaa agcaaagaaa attcacttgg aacagcataa agaaatggaa aagcagattg 420
aaagacttga agctcaacta gagaaaaaag accaacagct cgag 464

```

&lt;210&gt; 1134

&lt;211&gt; 159

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1134

```

gaattcgcgg ccgcgtcgac gttgggttat ttgtctcatt ataagtctta ggaattgttt 60
atatattcta gatatatgtt cgttatctga tatatgattt gcaaatgttt ttctgcattc 120
tttgggttat cttttcactt tcttggtagt gaactcgag 159

```

&lt;210&gt; 1135

&lt;211&gt; 419

&lt;212&gt; DNA

<213> Homo sapiens

<400> 1135

```

gaattcgcgg ccgcgtcgac aaggaatctg agaaaaaggg gttgattgaa agaattctata 60
tggtacagga tattgtttca actgttcaaa acgtcttggg ggaaatagct tcttttggag 120
aaaggattaa gaacacattt aactggacgg tccccctcct ttcattctctg gectgtttga 180
ttctggcagc agccaccatc attttgtatt tcattccact gcggtacatc attttaatct 240
ggggcataaa taaatttact aagaagcttc gaaatcccta tccatcgac aataatgagc 300
tactagactt cctctctagg gtaccgtctg atgttcaaaa ggtgcagtat gcagaattga 360
aactctgcag cagccacagc cccctgcgga agaagcgcag cgctccaggg cactctgag 419

```

<210> 1136

<211> 238

<212> DNA

<213> Homo sapiens

<400> 1136

```

gaattcgcgg ccgcgtcgac gcatatcagg agagaagttg ggagtctttc aggtataccc 60
cgcttccatg tttttggtag taaaagggat gctttgcaaa gcccttgatc agtttcccag 120
cattttgggt tggatgactt tgacaagtgt tgggaagtgg aggggtgttg tggctgatgg 180
tgtctgtttc ccccaggccc gectgaactg taagcactgt gggaagcagg ctctcgag 238

```

<210> 1137

<211> 220

<212> DNA

<213> Homo sapiens

<400> 1137

```

gaattcgcgg ccgcgtcgac tgggcttcaa cttgatgttt ttctgtctgc agaagtcca 60
tatattctgt ttcttccctt attgcagcct ctctcagggc ctccaggcgc tgcggctgc 120
tctccttcat gttcacgaca tctttgtaat cccctgcag ggctctctgc agtccgtaga 180
cagcttgga aacggaattt tcacttccat tcagctcgag 220

```

<210> 1138

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1138

```

gaattcgcgg ccgcgtcgac caaggaaatg tgagccccag gctgcagaag gaagagtcag 60
tgaatggctg cgggtgtgaca acatgcacca ccagtggctt ctgctggccg catgcttttg 120
gggtattttc atgttcatgg tggctagcaa gttcacacg ttgaccttta aagaccaga 180
tgtgtacagt gccaaacagg agtttctggt cctgacaacc atgccggaag tgaggaagtt 240
gccagaagag aagcacattc ctgagggaact gaagccaact gggaaggagc tccagacag 300
ccagctcgtt cagccgagtt ctcgag 326

```

<210> 1139

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1139

```

gaattcgcgg ccgcgtcgac ctggaaaatc ccaaaaatat tggaaacct atagcact 60
tactctataa attgtggtag aatacatata acatagaaat tattgttcta accattttta 120
aatgtacaat tcagtggctt taagcacatt cacattgttc tgtttatcta cagaacgctt 180
ttcatttgc aaaaactgaaa ctctgtattc attaaacact aactccccat tttctccttc 240
ccccatatcc ctcgag 256

```

<210> 1140

<211> 320

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1140

```

gaattcgcgg ccgcgtcgac gactgatgtt ggagtcctatg ctcatctgga tgtacttcca 60
gtcaaaactca atgccccggg ctccgaccca taggggaatg cagcgggaca taataagctc 120
agcagtggcc cagccagggg cagcaaccat gatcttgtae tctcccttgc cggcattccg 180
ggacatgaca aggttttagac ctatcaggtc tgccacatcc acgtcggcct tcatgaactc 240
cccaatgaag tcatagatgc cgccttccca ggtgggaaaag aaagtggcca agaacagcat 300
cttgacagagg cggactcgag                                     320

```

&lt;210&gt; 1141

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1141

```

gaattcgcgg ccgcgtcgac ggctttctct gaaatgccaa agccaccoga ttattcagag 60
ctgagtgact cttaaacgtt tgccgtggga acagggaagt ttccgggacc atlgcacaga 120
gcatggagaa tgatgaactt ccgtcagcgg atgggatgga ttggagtggg attgtatttg 180
ttagccagtg cagcagcatt ttactatgtt ttgaaatca gtgagactta caacaggctg 240
gccttggaaac acattcaaca gcacccctc qag                                     273

```

&lt;210&gt; 1142

&lt;211&gt; 186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1142

```

gaattcgcgg ccgcgtcgac tcgaggagtg ccctaatacga cgaggacccc caggcggcgt 60
tagaggagct gactaaggct ttggaacaga aaccagatga tgcacagtat tattgtcaaa 120
gagcttattg tcacattctt cttgggaatt actgtgttgc tgttgctgat gcaaagagac 180
ctcgag                                     186

```

&lt;210&gt; 1143

&lt;211&gt; 289

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1143

```

gaattcgcgg ccgcgtcgac tgccctagca cctttgcact ggttggtccc ttagctctgag 60
atccactttt acccattgtt cactttctca ttccattttg gtctctctca aacattgtct 120
cattatagaa accttgcttg acaactctaa catgtcagcc tctctgcgtc tcttaggacc 180
ttctctctct ctacctgctt tttctctctt ccccaactatg atttggtatc aaaatatttg 240
tgcattttgc aattcagtgt ttacagcctg tcaagccacc caactcgag                                     289

```

&lt;210&gt; 1144

&lt;211&gt; 534

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1144

```

gaattcgcgg ccgcgtcgac gctgccttta ttctctgagc cttgactctg tcccaggcct 60
gccctggagc gctgcacgc tcagctccct gaggttaggt cggaggggaga cccccgcctg 120
ccccccgcc tcggccagga tacctctcac ctcatgtccc ctccctccaga cccccacagc 180
cctggatgcc ccatagcagc cctgccacgg ctggcagaac tgctctccac ctccaccaac 240
cccccaagaca ggcaggctga cgcggccgcg aattcgcggc cgcgtcgacg tggagaagga 300
cgtgcctgac cgtctgggtt tgagccggag tggtcgggtg ggggagatga ggcgaccttg 360
gagcagcact tgaagaagac aatgaagaat cctctcattg ttggagtctt ttgcacagat 420
tcacaaggac ttaattctggg ttgcggcggg acctgtctag atgagcatgc tggagtatga 480

```

tctgtttctag cccagcaagc agctaagcta acctctgacc ccaactgaact cgag 534

<210> 1145

<211> 149

<212> DNA

<213> Homo sapiens

<400> 1145

gaattcgagg ccgcgtcgac ctaaaccctc gattgaattc tagacctgcc tcgagaacca 60  
ccccccacct ttggcctct tcatttatcc cttaaagtgt attcttcaga cctccatttt 120  
ttttttctct cttaatcaca ccaactcgag 149

<210> 1146

<211> 138

<212> DNA

<213> Homo sapiens

<400> 1146

gaattcgagg ccgcgtcgac tctagacctg cctcgaggaa cttcagtttg taaacaggct 60  
ctggtttcac aaggtctaaag aactccaggt gaaattcata gacattgtct cctttggcac 120  
catgtccttg ggctcgag 138

<210> 1147

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1147

gaattcgagg ccgcgtcgac gttttgtctg ctttaaaatt ctgtattata ctgcatgtac 60  
tcttttatgg cgtgcttttt tccttggtat tgtatcatga acactagttt gtttttcctg 120  
ttttctcttc cgttctgttc ctggacattt ttattttcag gatttggttg tatcatatca 180  
gaaagaaacc tgaactcaat ggcagttact cctcatttct catcctcttt cccccgaac 240  
ctcgag 246

<210> 1148

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1148

gaattcgagg ccgcgtcgac gttcactgag caettacata gattaacagt tacaagtttc 60  
cataaatcag ttagaatatg actagcttca gggaagggaat ttccaacaac tgcaatcttt 120  
gattgtttta ctgtgggaac ttgcagtgat ataattgaca acattattta acaataatag 180  
gtatctcgag 190

<210> 1149

<211> 361

<212> DNA

<213> Homo sapiens

<400> 1149

gaattcgagg ccgcgtcgac tgattatagc aaattcatac aaaccagacc taaaagaaaa 60  
ctcagaaaagc aacatggcaa tggaaaaaga aattggaaga ccagaggcac aggaqgaaqa 120  
ggcagatggg gaagatgacg tagatggagt agaggaggca gaggaagagg aggcagggga 180  
cgaggggagt gaggaagagg tggaggtgac actaggggga ggggaagagg gagaggagga 240  
agaggtgctt ctagaggagc taccagagac aaacagacac gtattgcaga tgatgaattt 300  
gataccatgt ttccaggacg ttccagttaga ctgcctcgaa ttaaaacaag aaaacctcga 360  
g 361

<210> 1150

<211> 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1150

```

gaattcgcg cgcgctcgac ccactgcgca cagcccatTT atattaaagt gaagttgatt 60
atagtttcat atgtcttaag gaccattaaa aaaatttttt tggTgaatta ttattcata 120
ttttgcttat ttctcaacag gatatttgtt tttttccttc aattttttaa agttcttcaa 180
gtattagggg taatgtcatt atctgtgaag tgttttgcac atatttgctc agcttggttt 240
ttgactttgc ttgttttttg tttttattct tttttgccac acaagccaga tctcgag 297

```

&lt;210&gt; 1151

&lt;211&gt; 346

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1151

```

gaattcgcg cgcgctcgac caagtatgtt ctCagaagct atacactcat tatctgatac 60
ttgtaatcag ggtttactag cattgggcac cagtaagtct gtTcaaacac cagatccttc 120
tcatecgTac ggatttttcaa atatgcgcta tatttctctc ctaattagtg gtgttggtat 180
tttcatgatg ggtgcaggac tatcttggtc ccatggagtc atgggattgc ttcatectca 240
accaatagaa tcccttctat gggcatattg tatttttagc ggatcattag tatctgaagg 300
agcaacactt cttgttgctg taaatgaact tccaggaaag ctcgag 346

```

&lt;210&gt; 1152

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1152

```

gaattcgcg cgcgctcgac ctgaatgcc catgcgcacc ccacagctcg cgtctctgca 60
agtgttcttt ctgggtgttc ccgatggcgt ccggcctcag cctctctctt cccatcagg 120
ggcagtgccc acgtcttttg agctgcagcg agggacggat ggcggaaccc tccagtcccc 180
ttcagaggcg actgcaactc gcccgggcgt gcctggactc cctacagtgg tccctactct 240
cgtgaactcc ctcgag 256

```

&lt;210&gt; 1153

&lt;211&gt; 181

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1153

```

gaattcgcg cgcgctcgac tagaagtga cagagaatta cacaagtgtg actatacaaa 60
ttgtaaaaca gatactataa tatttctctt tatttttagt ttatttagct ttattacaga 120
ttcttatttt tggTaaaaact ccatggttcc tttcaagatc ttttttgcca aaacactcga 180
g 181

```

&lt;210&gt; 1154

&lt;211&gt; 304

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1154

```

gaattcgcg cgcgctcgac agaatatatt attcccacag gaaaaactca gaaaagggtg 60
gtaaaaacct cagaaggggg agcagttgat ccagtaagac tgcgacaatt taatactgtt 120
acgcttgctt tgataacctga ctaaaatgtg ctgagtgcac caagcattta agaaaaattt 180
tagacagtgt ttgttttaga attcagggat catgcattct ttaattgggc tgtttgtttt 240
ttatttcttt tctacaaaga aaacaagtgt tgcctacaaa agtgactgct cacaataacct 300
cgag 304

```

&lt;210&gt; 1155

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1155

```

gaattcgcg cgcgctcgac attggatttt ggtccatagt tggaggctgt gttgttgaa 60
tagctatggc aagggttgca gattttatca ggggtatgct gaaactaatt ctctcctcc 120
tgtttcggg agctacaactg tcctccacgt ggttcacct gacctgttg aacagcatca 180
cacacccct cgag                                     194

```

&lt;210&gt; 1156

&lt;211&gt; 537

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1156

```

gaattcgcg cgcgctcgac gcttagaggt catctttcaa ggaggcatta aatatcaatt 60
ataaattatt aagtcagata aatatgctg accttttcac agttgaaaaa atacattttt 120
tccccctat caaatgccaa gtttttagtg gaaatgctaa tggcagtggg aaaggttgc 180
tcactttcag agagactctc gctgtctgca cctttttaat aattgctctt cctggcaagg 240
ctgccacttc cctgcctccc cagctggcag tggggcaacc caggcctgtt tccagctacc 300
tgcaaagcca gacctagacc tgccttagct gttgtcccat gccataattct agttacagga 360
agccatccct gtaccttggg tccattcaca ggaatgggtt ccagaggagg ctgatagaag 420
ggtttgaaat gactggcttg atcccttcct gctcagacac agtggttagct ggagagcagg 480
cagagatggt agaattgcag gtttgaccac ctgtcgtgac ccagaagct actcgag 537

```

&lt;210&gt; 1157

&lt;211&gt; 580

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1157

```

gaattcgcg cgcgctcgac cactttttaa aaacaaaaaa agacaagaga gatgaaaacg 60
tttgattatt ttctcagtgt atttttgtaa aaaatatata aagggggtgt taatcggtgt 120
aaatcgctgt ttggatttcc tgattttata acagggcggc tggtaatat ctccacacgt 180
ttaaaaaatc agccctaat ttctccatgt ttacacttca atctgcaggc ttcttaaagt 240
gacagtatcc cttaacctgc caccagtgtc caccctccgg ccccgctctt gtaaaaagg 300
gaggagaatt agccaaacac tgaagctttt taagaaaaac aaagttttaa acgaaatact 360
gctctgtcca gaggttttaa aactggtgca attacagcaa aaagggattc tgtagcttta 420
acttgtaaac cacatctttt ttgcactttt ttataagca aaaacgtgcc gtttaaacca 480
ctggatctat ctaaatgccg atttgagttc gcgacactat gtactgcgtt ttctattctt 540
gtatttgact atttaattct ttctacttgt cgccctcgag 580

```

&lt;210&gt; 1158

&lt;211&gt; 397

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (27)

&lt;400&gt; 1158

```

gaattcgcg cgcgctcgac ctgccangtg gatgagaagt gattacctgt ggaaattcat 60
agtgttatct ttttatagca ttcatttaca aagggtggat ttatgtaggc ctcttccttt 120
tgctctttat tgcagatatt caagagaagc ttatgtggag ttagtccacc atattagaga 180
atttatccca ggtgtgagcc ttacgagcga ttccattgct ggcctttgtg gtgagacgga 240
ggaagatcac gtccagacag ttcttttgct ccgggaagtt cagtacaaca tgggcttctt 300
ctttgcttac agcatgagac agaagacacg ggcatatcat aggotgaagg atgatgtccc 360
ggaagaggta aaattaaggc gttcggagga actcgag 397

```

<210> 1159  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (30)

<400> 1159  
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 ttcttttggg caagaatatt tttttccct gtgtcaattc agggactcca ggaaacagaa 120  
 gctaagaaca gaagcaagtg ctggagattt actgagaggt tacacttgtg gaagatgaag 180  
 tgtagcggca tcctcgag 198

<210> 1160  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 1160  
 gaattcgcgg ccgcgtcgac attaaagggt aagtctctga aatgggagag tgttcacagt 60  
 agatagctca gattgattga acacatttga ggaagagact cctgcctgag ataccagcat 120  
 ttttacaagt actttttatg tacattcttt attttctcat tttgtcaacc ctctcccaaa 180  
 ctcgag 186

<210> 1161  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<400> 1161  
 gaattcgcgg ccgcgtcgac gcttggcaag gagactaggt ctagggggac cacagtgggg 60  
 caggctgcat ggaaaatata ccgagggtcc cccaggcaga acagccacgc tccaggccag 120  
 gctgtcccta ctgcctggtg gagggggaac ttgacctctg ggagggcgcg gctcttgcac 180  
 agctgagcga gcccggtgtg gctggtctgt gtggaaggag gaaggcaggg agaggtagaa 240  
 ggggtggagg agtcaggagg aataggccgc aycagccctg gaaatgatgc aactcgag 298

<210> 1162  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 1162  
 gaattcgcgg ccgcgtcgac gccagttata gactgtccag catccaagac gtttcggtta 60  
 tgtcgggtcc tcagatcgcc tctgacttgt taccacaaca aatcattttg atttcagtgc 120  
 ctgttgggga attgatttct tctcagtttt gtgtgttctg ttgtttccct aatctggctc 180  
 atttgaattt tcttctccct ctcaaccatc ccactaatct cgag 224

<210> 1163  
 <211> 314  
 <212> DNA  
 <213> Homo sapiens

<400> 1163  
 gaattcgcgg ccgcgtcgac cccatggcca cctgttctta tgaqctcacc agctccacc 60  
 tggagatatt aacagtgaac actgtcaagg agacacctaa ccacatccc tcaacgatca 120  
 tggcaaccac ccagcttcca gtgaaacca ctgttcttga gatccaggat agcttcccat 180  
 acctgtctgc tgaagacttc ttggacagg aaggccccgg gccaggcgca agtgaggagc 240  
 ttcattccac ctggagtcg tgtgtggggg acggaatgtc tggcctcagc agaggccctg 300



tgatcgccct cgag

314

<210> 1164

<211> 219

<212> DNA

<213> Homo sapiens

<400> 1164

gaattcgcg cgcgctcgac gtaataaatt attcactgtt tcttttggtt actgtgattt 60  
 aaaaaagaa aaaagaaaaa aaagctttat acgttttagg ttgtgctttt gtaatagatg 120  
 aaaaaagggt cgcttaaaaa gaaaatgtat gttttttccc ccccttggtt tttatttatg 180  
 ctggattggg gaaagttgca gaatgagcgc caactcgag 219

<210> 1165

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1165

gaattcgcg cgcgctcgac atccctcagt gaacatttgg gttgcttcca ccttttaact 60  
 tgtgtagctt tttttggggg gatatttttg ctctcaaaag gacaaaggaa aaaattaggt 120  
 tcagttgcta ggattactca catgagggtt ggcattgggc ggaccatact cgag 174

<210> 1166

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1166

gaattcgcg cgcgctcgac gatacttatt gctgcctctg caccaatatg ctttccgaag 60  
 tgcgtgtgtt tctctctcaa tatctgacac tttgtggtga tatccaaacta atgctggccc 120  
 agaatgcaaa taatagagca gcacaccttg aagagtttca ttaccaaaca aaagaagacc 180  
 aggagatcct gcatagcctt cacagagagt ccacctcga g 221

<210> 1167

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1167

gaattcgcg cgcgctcgac tgggttttca catgctattt caggcttgcc ttttttatct 60  
 gtattttctt gtagcagctt gtcgacctga gaaatggcct ctteccagca atctcgag 118

<210> 1168

<211> 248

<212> DNA

<213> Homo sapiens

<400> 1168

gaattcaaca agaagcagtt ctttactaat caacatataa cttgaatacc tgggcaaaaga 60  
 aaaaattatc aggtggacaa agaaataaat gaataaaaagt gggattcaaa tttttgattt 120  
 cataagttcg gaaataagta atcaagaaac ctaactaata aaccacacaa tcaactgattt 180  
 gcaaaacttg acaccaaaaga aaaaqatatt ttaaggtaac taaattcaat ttttttgttt 240  
 tccctata 248

<210> 1169

<211> 195

<212> DNA

<213> Homo sapiens

&lt;400&gt; 1169

gaattcgcg cgcgctcgac cagcctggaa ggtaaatgcat gtccatggta cacaaattca 60  
 caaggtttgt aaatgagaaa agacgtgagg ttccctttgt tctttacctg tggcctccct 120  
 gccctacacg gggactctag ggtggaatgt agcaaaagcc atccaccagc catgtactac 180  
 cccccccgc tcgag 195

&lt;210&gt; 1170

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1170

gaattcgcg cgcgctcgac gtggtggaca gctgtagtga taatgttgat agtaggtata 60  
 ataacaccag tgttttattt gttgtattat gaaatttttag ctaagggtgga tgtagtcat 120  
 catccaacag tggactcttc acattttacat tcaaaaatca cccccccatc acagcagaga 180  
 gaaatggaaa atggaattgt gccaaactaaa ggaatactcg ag 222

&lt;210&gt; 1171

&lt;211&gt; 314

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1171

gaattcgcg cgcgctcgac tagaagaaac ccagaaattc agtcttttct gttttatttg 60  
 cagtggctag catgttctct gggteaacta aagttcgaag caggcccata agctggactg 120  
 ctctccaag ttcaggatct gtatcaciaa tcatatgttc tataatgagg ttgatgagca 180  
 aaatatectt gctggttatt ttttgcctcg ttaacttctt acctacatca tcattctgtt 240  
 gtgcctctcg catgacaaac tctcgtacca tggatggatt atattcaacc aagtatgaga 300  
 atatatact cgag 314

&lt;210&gt; 1172

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1172

ggaattcgcg gcgcgctcga cgcatttatt aaccagagta cttgttttga attttttatt 60  
 tgtgaaaata ttttaaagct cttacaaaac ttaaattttt aaaaaatcag ctcaaaaatt 120  
 ttttccatgt tgttgggcac accactgctg tctctgcttt cggtttccca actcgag 177

&lt;210&gt; 1173

&lt;211&gt; 232

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1173

gaattcgcg cgcgctcgac gtttggagaa ccggtgggaa aatccatact ttagcaattct 60  
 aaggcaaaaac atgaaaagacc ttatccctact tttggccaca gtacgttcca ggtgcccga 120  
 ctttaaacac ttgggatttt accgtagcaa tccagaacag attaatgaaa ttacaaatca 180  
 aagtttgcca caggaaattg caaggcactg catggttcag gccagctcg ag 232

&lt;210&gt; 1174

&lt;211&gt; 252

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1174

gaattcgcg cgcgctcgac ccagactata tagttcaaa agaatccata ttttctgta 60  
 ggtatgcaac aaaacaatgc agtttgtatt atatcgtatt ttgtattgta ttatatgatg 120  
 ggtctcactc agttaccag tctagagtgc agtggcaca tcacagctca ctgcagcctt 180

gacctgccag tctcaagcaa tctctctacc tcagcctccc aagtagctga gaccacaggc 240  
actcaactcg ag 252

<210> 1175  
<211> 464  
<212> DNA  
<213> Homo sapiens

<220>  
<221> unsure  
<222> (13)..(14)

<400> 1175  
gaattcgagg ccnngtcgac gcataactg ccattgtcaga ttctactta cccagttact 60  
acagtccttc cattggtctt tctattctt tgggtgaagc tgcttggtct acggggggtg 120  
acacagccat gccctactta acttcttatg gacagctgag caacggagag cccacttcc 180  
taccagatgc aatgttttgg caaccaggag ccttaggtag cactccattt cttgggtcagc 240  
atggttttaa tttctttccc agtgggattg acttctcagc atggggaaat aacagttctc 300  
agggacagtc tactcagagc tctggatata gtagcaatta tgcttatgca cctagctcct 360  
taggtggagc catgattgat ggacagtcag cttttgccaa tgagacctc aataaggctc 420  
ctggcatgaa tactatagac caagggatgg cagcaacct cgag 464

<210> 1176  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 1176  
gaattcgagg ccgcgtcgac ctttgggtat catatcctga atatatgaag ttcattaagc 60  
actttctct catctccctt agaaggctct cttctctcca ggggtgggggt ggggaagagc 120  
tgacaggaca cctaagtc cctctgattt tgcagaacct aaggctcgag 170

<210> 1177  
<211> 207  
<212> DNA  
<213> Homo sapiens

<400> 1177  
gaattcgagg ccgcgtcgac gtgattgtgt tttttaaag ataagtaatt tgatgaactg 60  
ttcttttgc gtcagaaaac actcacaata agacaaaaaa agttccacag tatttatatt 120  
catgtcagtt caggcctaaa atccttttgc aataagatgt ttataggtcg gtcacaatta 180  
acaatgttat tattggcaac actcgag 207

<210> 1178  
<211> 163  
<212> DNA  
<213> Homo sapiens

<400> 1178  
gaattcgagg ccgcgtcgac attgaatctt agacttgcct cttctctct cttactcttc 60  
actttctaat actaggtaca tttctactt gctttcaatt ctacttgcct ggtgttttcc 120  
attagtcatt ttttctccat tgtctcttcc cacaactc gag 163

<210> 1179  
<211> 313  
<212> DNA  
<213> Homo sapiens

<400> 1179  
gaattcgagg ccgcgtcgac caaagatgtg tacaataatt tatcttttga gttctcaaat 60

```

attgattttg aacattatct tgcaaagagt actaagtggt tggtagttg agatagagga 120
atatgcagct tttagctatc ttccctttcc cgtcagttac agctttcatg acacaatttc 180
ctcttatcac tttagtcaag aggtggggca gaaaattttg agttacagta tcattogaag 240
agaatttatt tctgcctttc atgttatagc ccctaaggga tccaggaccc gaaaggccag 300
cttctccctc gag 313

```

&lt;210&gt; 1180

&lt;211&gt; 227

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1180

```

gaattcgcgg ccgcgtcgac ggcatagata agtttatgga agacctaaaa gatatgctgg 60
gctttgctcc cagcagatat tactactata tgtggaaata tattctctct ctaatgctat 120
tatcattgct aatagctagt gttgtgaata tgggattaag tctctctggc tataacgcat 180
ggattgaaga taaggcatct gaagaatttc tgagctatcc actcgag 227

```

&lt;210&gt; 1181

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1181

```

gaattcgcgg ccgcgtcgac atttgccaca aacgctggtt actggactca cacatactat 60
gtgtacctta atgatttatt tactctatgg acagttatta gaacatctgg tatgtggtca 120
cccggtgcgg gccaaggaga ttagggcgtg ggggctgcag tgtcagcctt cccgggagtg 180
cacgggtccg ccaggggaccg ggggtccctg ggagctgtgc ttcagaagct tactgactga 240
tgaaagcctc gag 253

```

&lt;210&gt; 1182

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1182

```

gaattcgcgg ccgcgtcgac cttctatata actgaaatag ttccttgaac atttgataaa 60
gttttccctt gaaagaaact ggatttggng ctccattagt aatagttaac tgatcacatg 120
ctaatttttc cctgttctct gtatttactc gag 153

```

&lt;210&gt; 1183

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1183

```

gaattcgcgg ccgcgtcgac caggcatcca caaaagaaga ccaagctttg tccaaagagg 60
aaagagatgg gactgagtc aatgcagagg tagaatgtga cctgagcaat atggaaatca 120
ctgaagagct ccgccagtac ttgcaaaat cgtctcgag 158

```

&lt;210&gt; 1184

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1184

```

gaattcgcgg ccgcgtcgac gtccaagtgc tccattatca ttgtttacag gctattcttc 60
tactgaattg cttttgctcc tttagcaaaa gtcagataga tgtatttgtg tgggttggtt 120
gttgggtttt tgaattcttt ttgtgtgaa ttgtgtgtgt ttcctctgtc tataccacac 180
tgtcttgggt actgtagctc tagtgataag tcttcacatc aagcaagaat gctcaactgc 240
cccttcgag 249

```

<210> 1185  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 1185  
 gaattcgagg ccgcgtcgac cctaaaccgt cgattgaatt ctagacctgc ctgagggtga 60  
 taacctctatc tctacaaaaa aaagaaaaaa aaaaacaaaa aaaaacttag ctagggtgtgg 120  
 tggcatgcgc ctgtggtccc ggctactcga g 151

<210> 1186  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 1186  
 gaattcgagg ccgcgtcgac gtttatttca cagcactgag gaggaccagc atgcattctt 60  
 ctcttaacac aagtcogaat caacaacctg aactaactt ggctcatgtt ggagctcaca 120  
 gttttgctac agaaaaatatt attgggggat ctgaacaatg ttttgaacag ctccagccag 180  
 aatattcttc acaggaggag agccagcatg ctgatctacc aagtattttt agcattgaag 240  
 caagagattc tccccaggc actcgag 267

<210> 1187  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 1187  
 gaattcgagg ccgcgtcgac cgatgacgac gaggaggaga agctcaccac agtgaggcca 60  
 ggggggttcg tggccgtgtt ctgtcccggt aggccttttc gccagacggg gcagctgtcg 120  
 tgcctgtcca gccagggcac gatgcagccg tcgtgggaaca ggtggttgca gggcagctgc 180  
 cgcacacgct caccacagcg gtatgtcttc ttgcacacag ggcactcgag 230

<210> 1188  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 1188  
 gaattcgagg ccgcgtcgac cttgttagaga gtgacaaggt attgtttgtt tccctatgtg 60  
 ctgtttgagc agtattttta ccaacttgta ttacagatgt tacagttcca tgttaggaag 120  
 tcagaaaaga cttgtgtttg tctttgttct gctgatgtgg agtcattgtt ggtgggggtc 180  
 cgag 184

<210> 1189  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 1189  
 gaattcgagg ccgcgtcgac ggcttagtgc tcaagaagtc ttggctatta aggggcactt 60  
 attcatacaa cctctacttt ttctagggac taaaaggggg aaaaggctta atagccaaaa 120  
 tagttatcaa aagaccctaa agctgggggc ctgtacacca tgaaggatt actttcattc 180  
 tcatgtaagg gactactcga g 201

<210> 1190  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1190

```

gaattcgcg cgcgctcgac cttggagaac agacttaata tgatccagtc ttctatattt 60
tatttatatt tggtagagat ggggggtctt tctctctgtg ttgcacaccc aggtctgtct 120
ccagctctct gtgtgtccag aattgggttc ttccagtggt ttcttggtct cgctgacttt 180
aagaataaag cgcgcgaccc tcgaagttag ttgtacagtt ctctcgag 228

```

&lt;210&gt; 1191

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1191

```

gaattcgcg cgcgctcgac cgagttgatg gggtccttgg acatatgttt ttccaaaatt 60
tttgaagcct ttccaaatc tttgtttttg atacaaataa tgacagcagc ttcttgacc 120
agttttctac tggattcgac cactgcttct gtcagtgtaa attccgtttt aatcatctcc 180
agcacattga tagctgattc cagtgggtgt agctcagcct ccataatcaa ggaacagtct 240
aaattttccc cttcttcaat cgcgacaga ctcgag 276

```

&lt;210&gt; 1192

&lt;211&gt; 196

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1192

```

gaattcgcg cgcgctcgac cagaacttta ttttagctct tttttaaaaa tgatttgcat 60
ggttagaaaa cggcaggagc agccagggga gggaaggggc tctagggaac ttgcaacttt 120
ctataccttt gtactatgca ctgcccattt gattctacac ccaataatga tattacttga 180
acccatccac ctcgag 196

```

&lt;210&gt; 1193

&lt;211&gt; 315

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1193

```

gaattcgcg cgcgctcgac ttctcgatc atttcaaaga tgccataaagc agattttctat 60
gttctggaaa aaacaggact ttccattcag aactcatctc tgtttccaat actgtttacat 120
tttcataatc tggaaagccat gctgtatgcc ttattaaata aaacttttgc ccaggatggg 180
cagcatcagg tgctgagcat gaattgaaat gcagtgggga agcattttga actgatgatt 240
ggtgactccc ggactagtgg aaaagagcta gtgaagcagt ttctcttcga ttctatacag 300
aaggcggatc tcgag 315

```

&lt;210&gt; 1194

&lt;211&gt; 264

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1194

```

gaattcgcg cgcgctcgac ccatacgtga aggaaccatc caaaactgct aaacagaaaa 60
ggagaactat aattctagga agtggtcaca aaggaaaagc tactattaga attggattgg 120
ctacaaagaa acctgtaaat agtggtagaa aacactccct tggtaaagaa tattatgcgc 180
cgcacactct tccacctggg gtgtctgggt ttatggcggt gcgtactgca gaacgtgcaa 240
aaagacacag gggattccct cgag 264

```

&lt;210&gt; 1195

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1195

```

gaattcgcg cgcgctcgac gaggatagca ggcgtaaata cctactgtaa tacaatgtca 60
ctgtgtttcc tctgcaactgt tcccttccac ttcttcatcc tctttgtgac atggaagtcc 120
attgtcatag cttcagcttc agaagctgtt tgtggcattt gtaggattca aactcatgga 180
aaattccctc ctcttcccccc cccactcgag 210

```

&lt;210&gt; 1196

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1196

```

gaattcgcg cgcgctcgac ccccccgcca cctctgctc caagccaatc aaccagtcac 60
caagtccat caatgctatt gctgaaattt ctcttgaatc catctacttc tttccacgtc 120
cacagccacc atctaccacc cagccttcac ctctcttttc ttgatgatgg catgacctcc 180
tacctcagttt cccggcaact actcgag 207

```

&lt;210&gt; 1197

&lt;211&gt; 272

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1197

```

gaattcgcg cgcgctcgac cgcctccctac atttaccttc cttatatctc ccccgctctc 60
ctctccatag atctcctccc atttcccttc ccatggctcc catcttcttc ctgaaatgtc 120
tactccttca tgttccctta tgtatgtctt ccaatcttcc ctcccatagc tctcatcacc 180
ttcatatatt tcttccatct ttctcctccc acctgectcg cctctgtat atacccccac 240
tctccccctt ttatatcttc tccacactcg ag 272

```

&lt;210&gt; 1198

&lt;211&gt; 263

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1198

```

gaattcgcg cgcgctcgac cattgagaga gggaggaaag ttttatcatg acagaaatgc 60
tcatactctg aggatataat agagagtga tacttgaggg tagaattaat caaacaactc 120
ttcttgatgc tggatatattt agcctaaagg aaaatataat acatgagttt agcttttaat 180
gtttcaacag cttcactgat tgtccagaag tcattgtgtg cccactttcc tcatgtgttc 240
atctattgcc agtgttcttc gag 263

```

&lt;210&gt; 1199

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1199

```

gaattcgcg cgcgctcgac ctccggcggt gaggcgccc gacagcagct agagccgctg 60
ctcaacaaga ctatgcgcac tcgcatgaca gatggacgga cactggctcg ctgcttcttc 120
tgcactgacc gtgactgcaa tgtcatcctg ggctcggcgc aggagtctcc caagccgtcg 180
ggtcagtgcc cgggggaatgc acaccgcctt ggtaatgtgg cggaacctta cgcgaagcat 240
ttccccctaa gggcctggct gcaacccttg tttttggggg ctccgttttcg tggctcagag 300
gggcgggact gattctggcc taatttctg acactcactc gag 343

```

&lt;210&gt; 1200

&lt;211&gt; 187

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1200

```

gaattcgcg cgcgctcgac ccaagattct gtaggatttc ctgtgcatac agtgtagtaa 60

```

```

agaagtatca ttacaggggtg aaaaacaaag agccgtttta atgatgttga glacatttgg 120
ctgttttata gcccttttct tccctccccc aaagaattct gtttgccctaa ctcccaaaaca 180
gctcagag                                     187

```

```

<210> 1201
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 1201
gaattcgagg ccgcgtcgac ctgaccttgg aagatatccc tgggaattccc aagcaaggca 60
atgcaagttc ctccaccttg ctccaaggta ctgggaatgg cgttctctgcc actcaccctc 120
accttttctc tggctectct tgcctctctc ctgacctcca tctggggccc aacaccagcc 180
agctgtgtag tctggccccc gctgactatt ctgctgtgc ccgtcaggc ctccacctca 240
accgatacag cgcatctcga g                                     261

```

```

<210> 1202
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<400> 1202
gaattcgagg ccgcgtcgac ctgacctcag cctgggtaac aaagcaagag cctgtctaaa 60
aaaaaaaaaa agccagggtta tttttgttgg ttttgttttg ttttccctt tctcagttac 120
tcatctcttt tagattgaag gattgatgca tttatttatt tatttattct tttaccaagc 180
ctcattgact ttatgttttg agaagaggat tctgctaaat tcttgggatt attcagaggc 240
ttatacacca acaaagaaaa aagaaagcca acaactcgag                                     280

```

```

<210> 1203
<211> 155
<212> DNA
<213> Homo sapiens

```

```

<400> 1203
gaattcgagg ccgcgtcgac aaaaaaaaaa agaagtaatt cacattactg tcatcaaaag 60
tagattccac caccagagta tttgcaactt ggaatccagg ctgctaataa ttgttttggg 120
aggaaagcat gatagtgtta ggattcgcac tcgag                                     155

```

```

<210> 1204
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<400> 1204
gaattcgagg ccgcgtcgac gttttgttat ataggtaaat ctgtgcgcgc gtgggtttgct 60
gcccctatca acccatcagc taggtattaa tcttcctatc tttaaagctc actttaactt 120
ccacttttcc atgaagcttt tcttgatctt cctcctctct ccatecttga aaatccttgc 180
agttttgtct gcagcatcac acctagtgtc tagccatccc tactttgtcc ctacactttt 240
tgaattgctt accaacaact tagagaggga gctagagatt gttgttggcc attgtccaa 300
actcgag                                     307

```

```

<210> 1205
<211> 586
<212> DNA
<213> Homo sapiens

```

```

<400> 1205
gaattcgagg ccgcgtcgac agagaaatca aacggaagag aaaaaaagga gtttctgccc 60
ttcagagaga gctcaactgc ctgtgtgttg ctacagcttc ctccctgtt cacaataaag 120
aaaagtcata acctcaaaat caaatctatt tctaaataag aaagaaggcc agtgaagagg 180

```



```

ggcaggcaag atgtggccaa ggaaggcatt ggggaaaagg taacatttgt actgggagtt 240
tggtagatga agaaggtaag aaggagaagt acagacagtt aaagatggca ttgaaattcc 300
agagtcaccag aggaggagtt tgcagggaca gcagggtggca cttgatgagt tagaatttca 360
gatgtgatga gtttgaagca cctgggagggc atctaagtag acatgattac cagacacctg 420
gagctgaata agagggtcctg gagatattga tttagagggtg attgttctct catccatgta 480
tccattcatt caccaggca agggaaatgt gtacagtacc tactctaggc aggccctatg 540
ctggatatgt ggaatacaat gatgaacaaa acagatgccg ctcgag 586

```

&lt;210&gt; 1206

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1206

```

gaattcgcgg ccgcgtcgac gcctcgatca ctgcatttgc acagggtgaa gtctgtgtgc 60
ggcaagtttg taggggctt cagcaggatc tgggcgggtga ccgtgggtctg aaagaaggct 120
gggttgaaact ggtacagctt caggacagcc aggttggctt ccagatcata ggcattttcc 180
ttggcctgcg tctctacata gcgctccagg gtggccagggt tctcaggatt gtacctgtcg 240
ataccctcgt cgattgaatt ctagacctgc ctcgag 276

```

&lt;210&gt; 1207

&lt;211&gt; 218

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1207

```

gaattcgcgg ccgcgtcgac atttgtttag cctgttccct gagctctctt cgtgatcaag 60
aagactgatc agataaatca agagacttgc ccaaaattac ctaggaaatc tgtagcagca 120
gcagaaccaa actccggtec ttgctaaatc tagataccag gctagctttt ctatggaccc 180
agaatttaacc catacaaatg tacaagctta tctctgag 218

```

&lt;210&gt; 1208

&lt;211&gt; 398

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1208

```

gaattcgcgg ccgcgtcgac ccgagcctca gttgtcttct ctgtgagggtg ggaatgccgg 60
tgaatcctgc cgcctggcgtg gatgagaagt gaatgcctgc tcggagctgc gagtqacagc 120
gggcaggagg cgcctcaggga cacttggttt ccccagggtc ggaaggcttc tagaaggttc 180
ctcatcaagg gaagtgtggc tgggggcgcc gtctacctgg tgtacgacca ggagctgctg 240
gggcccagcg acaagagcca ggcagcccta cagaaggctg gggagggtgg ccccccgcc 300
atgtaccagt tcagccagta cgtgtgtcag cagacaggcc tgcagatacc ccagctccca 360
gccctccaa agatttactt tcccatccat cactcgag 398

```

&lt;210&gt; 1209

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1209

```

gaattcgcgg ccgcgtcgac agaagggatc actcccatta gggcctgctt tgettattga 60
tgtgtgtgca catgcatgta aaccaggga cttcagctca cggcctccag gcctgggcca 120
gttcttgctg ctcttgccgt ctcctccgac tggctgtgac ctgagtaact ggaacatgag 180
actgtatctg caggactggc cccatgggtg ccgagtcaga agtctgttct ctgtgagtcg 240
ccaccgttca ctacgtcttg cctcccatg ctttggagcc agtctgggtg ctctgttaag 300
gttctcaagg ctgggtggcag ctacgtcttg ggtcaggaca tgtcggggtc atgcgtttct 360
ggccttgaca taaactgtct ggcctctctg tgacatgatg aaattgaaat caatccacag 420
tccatgaaat tgtgacactc caccagatat ctcgag 456

```

<210> 1210  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 1210  
 gctcagaggtc catatggata atcttcaagg gtaaattcac tgagatgaac tgcaaactcc 60  
 cctttccaca tgcagcagca ggacatacat gtcttgatgg gtttgtgtaa ccttgccaga 120  
 atggctggca ggacaagtta actatcattc ccttcacaaa tcagtcagtc aggaaatccc 180  
 tacgtgggaa ggatcacagg gcctacaaag aggcagtgc agcaaaactt cagctgctat 240  
 tgaatctgaa tgcattcttg gttttttaac cagatcccca gcaagtaatt ttaacagccc 300  
 gtaaatgtag agtatgctag actatgagga cacagatgcc cagcccagtg tggggggtaa 360  
 gttctacact gcactgtcct tccacagggc ccttcagggt cactcgag 408

<210> 1211  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<400> 1211  
 gaattcggcg ccgcgtcgac attacaatta tcatgctcac acttaatagt atattctatg 60  
 tctctctggc tgtctatctt gatcaagtc tccagggga atttggtta cggagatcat 120  
 ctttatattt tctgaagcct tcatattggt caaagagcaa aagaaattat gaggagtatt 180  
 cagagggcaa tgttaattga aatattagtt ttagtgaaat tattgagcca gttctctcag 240  
 aatttgtagg aaaagaagcc ataagaatta gtggtattca gaagacatac agaaagaagg 300  
 gtgaaaatgt ggaggctttg agaaatttgt catttgacat atatgagggt cagattactg 360  
 ccttacttgg ccacagtga acactcgag 389

<210> 1212  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 1212  
 gaattcggcg ccgcgtcgac ccgcctcag cctccgaaag tgctgggagt acagggtgta 60  
 gccactgcgc ctggcctcat tgtactcctt aacacaagaa gacttcaaca atgataagta 120  
 gttgtttata aggaagcagg atcattacca aaataaatcc tgctaaaaca acaggaatca 180  
 tgttttaaaag cctagtttgc taatttttgc tagtaggata agagtgatcg taatatctcg 240  
 aacattacat agacacttaa aacctttagt tgtatttcat caaaaatctg ttcatacccc 300  
 acgttggttt caaaacatac tatgcttttt ctctgtgta tttctatat tcatttttgt 360  
 gtgtatgtgt atgtcacaaa tattgatatg cctgggctcg ag 402

<210> 1213  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<400> 1213  
 gaattcggcg ccgcgtcgac gagggtgatg ggcggtgtct ggggcttcgt cggcttcttg 60  
 gtgccttggg tcatccctaa gggctctaac cggggagtta tcattaccat gtgggtgacc 120  
 tgttcagttt gctgctatct cttttggctg attgcagcaa acctcgag 168

<210> 1214  
 <211> 180  
 <212> DNA  
 <213> Homo sapiens

<400> 1214  
 gaattcggcg ccgcgtcgac caaaaagtc cttttgaaaa agttgatgat gatgattttt 60  
 acatcagaga atatctttag atcagtttta agagatgatt actgggtgta ttttagatag 120

caagtactgt ggatggttta aggggtgaata ggaaatatct agatgttaag gggctctgag 180

<210> 1215

<211> 506

<212> DNA

<213> Homo sapiens

<400> 1215

gaattcgagg ccgcgtcgac cagcaatccc tccctagggtc aatcgctccc aaacccttaa 60  
ccatgagact ccccatgaac cagattgtca catcagtcac cattgcagcc aacatgccct 120  
cgaacattgg ggctccactg ataagctcca tgggaacgac catggttggc ccagcaccct 180  
ccaccaagt gaggctctcg gtgcaaatcc agcagcagat gcagcagcag catttccagc 240  
accacatgca gcagcacctg cagcagcagc agcagcatct ccagcagcaa attaatcaac 300  
agcagctgca gcagcagctg cagcagcggc tccagctgca gcagctgcaa cacatgcagc 360  
accagttcca gccttctcct cggcagcact cccctgtcgc ctctcagata acatccccca 420  
tccctgccat cgggagcccc cagccagcct ctccagcagca ccagtcgcaa atacagttct 480  
agacacagac tcaagaatta ctcgag 506

<210> 1216

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1216

gaattcgagg ccgcgtcgac gtaatttact aagggttgaa atgggtattct aacagtgagt 60  
ccattgtctt gaggattaat ctgatttata agtaatactg atagacatat tttcgtacat 120  
ctgagcagaa ataaatgcat gtttctagca tatgtaatat aaaaactctc gag 173

<210> 1217

<211> 287

<212> DNA

<213> Homo sapiens

<400> 1217

gaattcgagg ccgcgtcgac gaacggtaat tacattgaga tttttaaaaa tatataaatg 60  
cttaaaatta cagaagtaat aaaaagaatg gtcttagaca aatcttatgg aaagtgtttt 120  
attttattct tttataatta tatttatgga tatttgtctt tattagtgtg gtaatatatt 180  
ttataacgct cataatttga actttcaggg taatgtacta taaatatattg tattacgcat 240  
tactaccatc ccaaattgtac caaaacacgt ttagagagaa cctcgag 287

<210> 1218

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1218

gaattcgagg ccgcgtcgac cgatcttcat gaatgcaata tttatgatgt gaaaaatgac 60  
acaggattcc aggaaggcta tccctacccc tcccccata cctgtactt actggacaaa 120  
gccaatctac gaccacacgg ccttcaacca gacagctgc gggccaagat gatcctgttt 180  
gtttttggca gggccctggc tcaggccggg ctctcttatg ggaatgatgc caaggctctg 240  
gagcagcccc tgggtgtgca gagcgtgggc acggatggac gtgtcttcca tttcctagtg 300  
tttcaactga atatcacaga cctcgag 327

<210> 1219

<211> 335

<212> DNA

<213> Homo sapiens

<400> 1219

gaattcgagg ccgcgtcgac ccttgagggtg attcattcttc caggctcttc tccatcaag 60

```

tctctctctc ctagecgtctt gggctccttaa ttgcagcagc cgcgcgtacc aagatccttc 120
tgtgcctccc gcttctgtct ctgtgtgtcc gctgggtccg ggtggggcga gccgaccttc 180
actctctttg ctatgacatc accgtcatcc ctaagtccag acctggacca cgggtgggtg 240
cggttcaagg ccagggtggat gaaaagactt ttcttcacta tgactgtggc aacaagacag 300
tcacacctgt cagtcacctg gagaagaaac tcgag                                     335

```

&lt;210&gt; 1220

&lt;211&gt; 228

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1220

```

gaattcgcg cgcgctcgac cttgatttat aactaaaata tttaaacata cgggtgtgctg 60
gactccatct gtactcttac ccagggcctg caaatgttag gagctggcct gaccaaggga 120
ataaagatta cgaaaatgtt caccctatct tattttatct tattttatct ttttgagaca 180
gcgtctcgtc ctgtcgccca ggctggaaag cagtggcaca atctcgag                                     228

```

&lt;210&gt; 1221

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1221

```

gaattcgcg cgcgctcgac gtggtttaag aaaaaaacac ataaacaagt tcagacaact 60
gattgtatga ttctgggaat tcttctcttc ccttctcttc tccctcgcca ccacctcttc 120
tcccagccc tccctgtcgg gcattggggag gaggttggag ctacgcatct tgaggaaatg 180
gtcaagacag cccctcctgt cgcgctgcca cggccagccg cctttgtcgg ggaggacaga 240
cagaaacgca gcaaggcaca cactctcgag                                     270

```

&lt;210&gt; 1222

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1222

```

gaattcgcg cgcgctcgac catcagcccc ccaagatggc gatgcaagcg gccaaagagg 60
cgaacattcg acttccacct gaagtaaate ggatattgta tataagaaat ttgccatata 120
aaatcacagc tgaagaaatg tatgatata ttgggaaata tggacctatt cgtcaaatca 180
gagtggggaa cacaccaaca actcgag                                     207

```

&lt;210&gt; 1223

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1223

```

gaattcgcg cgcgctcgac ctccctgagc ccaactgggtc atatgcgtgt caccacacgt 60
gaactagtggt ggtggctgcc tgcggacacn ctccctgtct gagccctggg cctgtgttct 120
tctcagacac tcccagactg aggggtgggt tgttgggggt ggcagggtgg ctgtggagac 180
tggtgatctg gagcctgggt ctggcaccct gcttgagttt ccgtgggcag ctggcgggga 240
cctgtgctgc tctgtctgac tgtgggtggg cgggcggcgc ctgggagtgg ctcttgcctc 300
ggaattgata ggaacctata ctactaggat acccccagac tcgag                                     345

```

&lt;210&gt; 1224

&lt;211&gt; 205

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1224

```

gaattcgcg cgcgctcgac gctgattgag cctcttagat cgttaggata atatttttca 60

```

```
tcaaatttgg aaaatgcttg gccactatctt attcaaaaatt tctgccccag tctctctcct 120
ctgcttcttg gactccagtt atatacgtaa gaacactgaa tgttgtctac aggtcgtgga 180
ggcttctgtac tcccatccac tcgag 205
```

<210> 1225  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (171)

<220>  
 <221> unsure  
 <222> (173)

<220>  
 <221> unsure  
 <222> (175)

```
<400> 1225
gaattcgcg cgcgctcgac gactcctgtg aggatgcagc actccctggc aggtcagacc 60
tatgccgtgc cctcatcca gccagacctg cggtagagagg aggccgtcca gcagatggca 120
gatgccctgc agtacctgca gaaggctctc ggagacatct tcagcagggtg ntntnccagt 180
gccaagtacc ctgctccaga gcgcctgcag gaatatggct ccatcttcac gggcgcccag 240
gaccttgacc tgcagagacg cccccgccac aggatccaga gcaagcaccg ccccttgacc 300
gagcggggcc tgcaggtccc tgagaactac ttctatgtgc cagacctggg ccaggtgcct 360
gagattgatg tccatccta cctgcctgac ctgccccgca ttgccaacga cctcatgtac 420
attgccgacc tgggccccgg cattgcccc tctgcccctg gcaccattcc agaactgccc 480
accttccaca ctgaggttag cgagcctctc aagacctaca aaatggggct cgag 534
```

<210> 1226  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1226
gaattcgcg cgcgctcgac cttaatacag acgtaattac ctgttattaa aatattagga 60
aaatgaacat aagaaaaacg ttgagatcac tctcactctt gatgttgggc gtgggagggg 120
tgccagccgt cattccttgg ccggctccct tgctcccgtg gaggaggggt gactccaccc 180
acctccccgg cgtgggtctc ttgagttcct cccggtttcc ccattcggaa cctcactgtg 240
atggaggctg tctctgcaag aagcatttcc tggttctccc tata 284
```

<210> 1227  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

```
<400> 1227
gaattcgcg cgcgctcgac gtgcgtgctc atgggttctc tccacctgac tctctgcatc 60
ttcaatggca ctctccaact gccttgccag ggtcccacat tccgtgttt tctctccag 120
ccgcagcttg gactggtgga ttgcctctc cctcttgga atcaccgtga ggaattgat 180
attctgggca ctggtgcct ccagtttctc ctccagtcca tccacctctg ctgag 236
```

<210> 1228  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1228

gaatttcgagg ccgcgtcgac atttttggtg caagcctggg tcgtcttttc tatgcacatg 60  
 gggcagctat tttagaaaca cttggagtgc tttgtatgta gtcccgcatc ccattctttt 120  
 catttgacat cactgtgttg gaatttccac aacatctcga g 161

&lt;210&gt; 1229

&lt;211&gt; 237

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1229

gaatttcgagg ccgcgtcgac gaaaaataat tagtgttata gtcttaagat ttgttttcta 60  
 aagttgatac tgtgggttat tttgtgaac agcctgatgt ttgggacctt tttctctcaa 120  
 aataaacaag tctttattaa accaggaatt tggagaaaaa aaaaacctg gttttttatt 180  
 ttgttatatt attattgttt acttcaaact ttgttttaca gcgtcccca gctcgag 237

&lt;210&gt; 1230

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (7)

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (14)

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (104)

&lt;400&gt; 1230

gaatttcgagg ccgngtcgac ccaagatccc agtcacaatt atcacccggg atttaggtgc 60  
 tgggaagaca acacttctga actatatctt gacagagcaa catngtaaaa gactagcggg 120  
 catttttaaat gaattctgggg aaggcaactc gag 153

&lt;210&gt; 1231

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1231

gaatttcgagg ccgcgtcgac atttgaatac catattatct cttctctatt gggtaattgat 60  
 cgggttaata ggattctctt cttacatagt aggtgtggaa aagggtgggt ttacttattt 120  
 attttttttt agacagtctt actctgtcac tcaggctgga gtacagtggc gtgacctcag 180  
 ctacttgcaa cctccacctc ccgggttcaa gctcgag 217

&lt;210&gt; 1232

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1232

gaatttcgagg ccgcgtcgac cggatctctt tcgttgaaat ccacctggtt agttctctcc 60  
 tttctctctt cctctctctt cactatctca aagaggaaaa gctctttgtt caaaagggaag 120  
 agaaaacgta aagcatctta tttctcttca aaagaatttt aaacctgaa aaagatattt 180  
 ttaagaaat tcaagctcga g 201

<210> 1233  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 1233  
 gaattcggcc aaagaggcct agagcttagt gtgtaaaatg ttgaggctct tcgttcaggt 60  
 cattttctctg acagggacaa gactgtcgtt tcagcagctg cacgcgaagg ttggtgatct 120  
 tcattctcag gcaggtctag aattcgaggt tctccctata 160

<210> 1234  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<400> 1234  
 gaattcggcc aaagaggcct acctttggtc catgtaagt ctacccgttg ctgggggagg 60  
 agtcattggt tatttggaaa tctcagttgc aatcatggtt ctgtcatttg actgcacagt 120  
 atcagaggag cctgttaacc tctctgtgct ttagttttct agcccatgaa agagatcatt 180  
 gccctgacca gggactacct caagggtctt tgatgaggac aagtgcacgt aggaagatgc 240  
 aagagccttt agtaccagg tctcaaac tgactacat ctggaatgac tgtgaagctt 300  
 ttaaaaaatg ttagtgcca ctctctcag 330

<210> 1235  
 <211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (15)

<220>  
 <221> unsure  
 <222> (107)

<400> 1235  
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 ttgtctctct caatgtatat gcacagagag gcacaggcat gtggactgtt caggcagaaa 180  
 cttgtctaca ttaccatctg gactgcaaga gaatattata catttaaacc tgtcttataa 240  
 ccactttact gatctgcata accagttaac ccaatatacc aatctgagga ccctggacat 300  
 ttcaaaacaac aggtttgaaa gcctgcctgc tcacttacct cggctctctg ggaacatgtc 360  
 tgctgtctaac aacaacatta aactctctga caaatctgat actgcttata agtggaatct 420  
 taaatatctg gatgtttcta agaacatgct ggaaaagggt gtctctatta aaaatacact 480  
 aagaagtctc gag 493

<210> 1236  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 1236  
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 gatagaataa agagtctgac tctgtttttt atcattgacc accgacaacg ttccagtccc 120  
 accacctctt atttccctct tgcctctcat ctgtgcaagc cttaactaag aaagcttgaa 180  
 ccattctctt ctgtgctcca gggggaagt caaaccaagc aaacacaggt ccattgggttg 240  
 gaattcttac cttagctcac ttcttaacca taataaaaac ccaagccaca tttagactga 300  
 cttgggtctc tgccttgcat ttccagaaa gccttattat gtgagtaata aacctttgca 360  
 taccctcttg ttctccctaa a 381

<210> 1237  
 <211> 575  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (143)

<220>  
 <221> unsure  
 <222> (440)

<400> 1237  
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 aaaaaaaagg aaggggaaaag aaatcatggc caaaaaaata ttatttaacc cccaccccac 120  
 ccccaaagct ctagccattc atntgagcat caccacatc ccactcattg cctgatattc 180  
 ggatgggtggc atactctgcc ccaggaaaac tgcctgaagg cacgggggca atgggtgcca 240  
 attttagctc tcagcagggt agtcaaccag acaaactggg gggctaaaagt cagaaaatc 300  
 ttccagggtt ttctgctcat tggctgagca catacaaact gtcataagcc tgtaaaattt 360  
 aagggggagt ggggtggggc gtaagagcaa aaggacagca ggagaagaga aattacgggt 420  
 cacccaagtt ttccctgggn tagtggtctt ggatatagat taaagagag gtcagagtaa 480  
 atggactcca ggttcttat caaagaaaac tatccctcaa tgaggagctg agatgtgcca 540  
 tgcaagagag ttcttacctg caggttctcc ctata 575

<210> 1238  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<400> 1238  
 gaattcggcc ttcatggcct aatcttgggt cactaattaa ggtcttctt tctagaacca 60  
 aagaactaaa actttcagca gaatgtcaga accacatctt catttggcag acacacaatg 120  
 ctttgtttat tatttgcctt ttgctgaaaag tgttcattctg tcagatgtca gaggaggaa 180  
 tacaaactta ttttacttat gaagaaaaat ctcctggcaa ttacagttct gactcagaag 240  
 atcttttga agaattgctg tctgtttga tgcagttgat cactgatatt ccactcttag 300  
 atattacata tgaatatca gtagaagcta tatcaacaat ggttgttttc ctttctgccc 360  
 aactcttcca caaagaagtt ttgcgacaga gcatcagcca caagtatttg atgcgaggtc 420  
 catgtcttcc atacaccage aatttctccc tata 454

<210> 1239  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<400> 1239  
 gaattcggcc aaagagcct acagacggcg acagtggcgg cggcgccatg gcagggcttg 60  
 caggatccct gctgccttgg tgateccggg ctgacaacca gagagcacag cggtcagct 120  
 cctggagagt gagggttgaa gaaagcggag ggcagccgsc tgcgcccgtt ggctccatt 180  
 aggtcgggtc ctgcagcggg gcccggcagc cttgggtgag gccctgcccg gcagagatca 240  
 tgtattgccc ccagtggctg ctgcccgtcc tcttcattcc caagcccctc aaccccgcgc 300  
 tgtgggtcag ccactccatg ttcattgggt tcttctgctt caacgtttct cctata 356

<210> 1240  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 1240  
 gaattcggcc aaagagcct atctggcctg ttctgtgag ggcctgaaac ggcattgagg 60



```

tgagcggaca gaggtttctca ggggacttca agaggaacac caggcagcag agctcaccag 120
aagcaagcag caggagacag taaccgcctt ggaacaaagc ctttctgagg ccattggaggc 180
cctgaatcgt gagcaggaaa gtgccagact gcagcaacgg gaaagagaga cactggagga 240
ggaaaggcaa gctctgactc tgaggtttga ggcagaacag cagcgggtgt gtgtcctgca 300
ggaagagcgg gatgcagctc gggctgggca actgagttag catcgagagt tggagactct 360
tcgggctgcc ctagaagaag aacgacaaac gctcgaggca ggtctagggt ctccctata 419

```

<210> 1241

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (16)

<220>

<221> unsure

<222> (18)

<220>

<221> unsure

<222> (108)

<220>

<221> unsure

<222> (112)

<220>

<221> unsure

<222> (133)

<400> 1241

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gaattcggcc aaagantnct aaagaaagct agtattttgta gttatcctat tctaaaaaac 60
tactattcaa ctaagacaac taagaaaaat atattccaat aaaaaatnta anattacatt 120
atgaggggtga acntgactat ttaaaccaatc tgtactttta ttaattaatt aagaaccac 180
attagtaaaa aaaattttta aatccagatt agtattaggt cttctttaga atttgtctag 240
caggttttcc agtttccacc agaaaaccat aaaaatactt atctattggg ttatcctgct 300
agacaaaaat cttagaaaqc tctaaccatta atctagagtt tttaaaaggg caaattgtag 360
aatctaaaga gcaggatatc gaatatgtct tctattcatg tgaatggcag gtgtgtatgg 420
caaaactttc tcttctccag gtgttttgte ctgatcaacc cttgttttcc ttatgggcaa 480
atcagcatct tcagcaggca ctctgcacag aatcattggg ttcagaacat gatgcctgt 540
ttattcaaaa gaagagtcct attcagagaa acactaataa ttttggctaa atagctaata 600
ataatnaact taaaaatatt tagttgtgac ttttatttaa acattaaaaa agagthaaag 660
caacatatga atatggtaaa aaatgtttct cctata 696

```

<210> 1242

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1242

```

gaagctatca atttggatac cagtcctgga tctgcctcac ctcccttccac ccacaactga 60
cttgggaacca ataaaggagg gagtgcgaat gcctatcttc cctctcaagt ctctccagac 120
tttactgcag cagcatgtgt cgtcctgtgc cctgctgtgc catccctctg cctccctacc 180
acatctctca ctcatagact cagggtcttc ctctgtgtcag tactcccatg actccatgca 240
cctcgag
247

```

<210> 1243

<211> 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1243

```

ggaatgtaag ctctatgagg gcaaggactc ttgtcttgtt tactgctgtg ttctttctagc 60
ataaacacac acacccccctc agaacaattc tggatacaca atagaaatc agcaaatgtt 120
tgggtgaatg aaatggcccc aaaatactat tttaaaactt gttttctctc caggtttata 180
ttctttattt aatgtgtgta aaaatgtggg ggtatgaagt tttttgggtt taaaaccttc 240
aatagttagt ttttgtgggc acattgtatt cataagagct gttaatctta gccataactt 300
taataaatg tattgggtgc ttgtgtacat gactatctgt aaactcgag 349

```

&lt;210&gt; 1244

&lt;211&gt; 251

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1244

```

ggagcccacc gagaggcgcc tgcaggatga aagctctctg tctcctctcc ctccctgtcc 60
tggtgtctagt ggtgtcttagc aagacctgt gtctcatgga agaagccatc autgagagga 120
tccaggaggt cgccggctcc ctaatatctt gggcaataag cagcattggc ctggagtgcc 180
agagcgtcac ctccaggggg gacctggcta ctgcccccg aggcttcgcc gtcaccggt 240
gcaaacctga g 251

```

&lt;210&gt; 1245

&lt;211&gt; 528

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (89)

&lt;400&gt; 1245

```

gcttggccat ggctgcttcc ttttttccaa tctctgtggc agtttttggc ctaataaccc 60
tgcagggttg tactcaggac agttttatng ctgcagtgtg tgaacatgct gtcattttgc 120
caaataagaa cagaaacacc agtttctcag gaggatgcct tgaatctcat gaacgagaat 180
atagacattc tggagacagc gatcaagcag gcagctgagc aggggtgctcg aatcattgtg 240
actccagaag atgcacttta tggatggaaa ttaccaggg aaactgtttt cctttatctg 300
gaggataacc cagacctcca ggtgaactgg attccgtgtc aagaccccca sagatttggg 360
cacacaccag tacaagcaag actcagctgc ctggccaagg acaactctat ctatgtcttg 420
gcaaatcttg gggacaaaaa gccatgtaat tcccgtagt ccacatgtcc tctaatggc 480
tactttcaat acaataccaa tgtgggtgtat aatacagtat tcttcgag 528

```

&lt;210&gt; 1246

&lt;211&gt; 257

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1246

```

gcaagaacat gaaacatctg tggttcgctc ttctcctggg ggcagctctc agatgggtcc 60
tgtccagggt gcagctgcag gagtggggcc caggactggg gaggccttcg gagacctgt 120
ccttcacccg cggctgtctc ggtgacccca tgaattctta ttcttggagg tggatccggc 180
aggccccagg gaaggggact gagtggattg gcactatcta taccactggg aatatcaacc 240
acaatccctc cctcgag 257

```

&lt;210&gt; 1247

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 1247  
 gaattcgcgg ccgcgctcgac gtaagcaata tttagtctaa aggcatttac aagtcataata 60  
 acttaatcat tttaaatgaa tgggtgtgaac acaagcagct tttctttttt ttttaatttta 120  
 tttctgttta gtattctctga ttacgtaaca ggaagtctcg ag 162

<210> 1248  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 1248  
 gaattcgcgg ccgcgctcgac ccagcatttc gttccctttct atttcaccgc tgcctcagtaa 60  
 caacctacac ttcacttttt gatgccattg tcattcactc attcattcat tatttgcctca 120  
 ttcattttgt tcaacaatga aaccaatgct caagcagatg gaggtggctg ggtgcagtg 180  
 ctacacctg taatcccaac cctttgggag ggcgaggtgg gcagatcact cgag 234

<210> 1249  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 1249  
 gaattcgcgg ccgcgctcgac tttccctttt atgtgtaatc ctttgttttc ccggagtcac 60  
 taagctcttag tgtcttcttt gctcagtttc ctatgtatct atcacaaatt cagcccagac 120  
 cctgatagaa gtgtgaatct caacacattc ctcgag 156

<210> 1250  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 1250  
 gaattcgcgg ccgcgctcgac agaacagtcg gtttaccaag gaaggccatt atctttgact 60  
 tgcaaaagctt ttacagccaa acattgtttg cttacagtcc ttttaataaa atgaaagacct 120  
 taatggtaag aagagtccca ttactactcc ctttgtacat ggaggctcgc ccaataaaga 180  
 aaggacgatg tcacgctctc gag 203

<210> 1251  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 1251  
 gaattcgcgg ccgcgctcgac gagaactgct gcttctgtct cctgtgttag tgagaccagt 60  
 tgtgtgttat cagatagctt agactttcaa caacagttat aagtgcacca gtcttctcct 120  
 tactggttat tccttagagt ctaaggctgt gtatttaata atgaggtggc tcgag 175

<210> 1252  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 1252  
 gaattcgcgg ccgcgctcgac cctcgattga attctagacc tgcctcactc cagcccttct 60  
 tttattatca ttcattttac atcatcatal gcgataaacc ccaaaatgca ttgtcactac 120  
 ttactcgag 129

<210> 1253  
 <211> 178  
 <212> DNA

<213> Homo sapiens

<400> 1253

```
gaattcgcg cgcgctcgac aaaaaagaga aactacttta ttgargtttt ttcctcctga 60
gccctgctg gtcttattga atgtgtcacc ttgtattata attgttttta ttgtcactg 120
ttgtcatact gcctactctt taccctcttc ccacatacat acacaaatgc tactcgag 178
```

<210> 1254

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1254

```
gaattcgcg cgcgctcgac gcttcggcga tgggctcgtc actcggggtcg taatactgct 60
ccagggggca gttacaggaa ggtaaccatt tacagccaga aaagggttaa tatactcttt 120
tcattgtttt cagaaaatgt ataaaggtec aatttgtaac agcaagggtt tcaaattaag 180
acaattcgta tagagtagca attgctgcac gaagtaaagt cttttttttt tttttttaa 240
atttgcatt taagaaggct gccctgcggt attcataatt cattgtttac cacaagggtg 300
gttcataaat ttaagcttta aaaacgatct gtaagttagt actttggctc ttgggagctt 360
atttcattaa gaaatttttc ttgattgacc tcagggcagc tggggcactc caaggggcta 420
tggcgataaa aagctcaatt ggtaaagaca ctcgag 456
```

<210> 1255

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1255

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gaattcgcg cgcgctcgac gtgcctctaa aattaaatat ttgggatctt ttgattagtt 60
ctggatgcat caataaagca taactaaact attctttttt tgtttgtttt tgagacggag 120
tcttgcctag tcgccggggc tgaagtgcct cagctttctg agtacctgtg actacatgtg 180
tgcaccacca tgcctcagtt ctag 205
```

<210> 1256

<211> 271

<212> DNA

<213> Homo sapiens

<400> 1256

```
gaattcgcg cgcgctcgac ggaattctagt tgcctaagga taaactgagt ttgacttcat 60
tagtcacaa atgataggtt tgtgtagagt tattalagca ttaatcaatt tgatggattg 120
gaaatatgac agaactgaag cagcatgtta tattaagtgc tattattctg gaaattatgt 180
cttcacctac attcatgttg cagaggagtc atgttgtaca tcaagaaggc agaacttaaa 240
gaaacaaaca acagagggca tcttactcga g 271
```

<210> 1257

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1257

```
gaattcgcg cgcgctcgac cttacatttg attagtttt tcccaagatt cataggcctc 60
ttgtctttat gcattataata atattatctt ctgtctacac ttttaaccatc ttttcaaac 120
tgatgatttc cctctgtctc ttgtctttta gtactgtttt tctcttgaa cccagaccca 180
tatctcttgc ttgttgcaag cagtttcttc tgaatccct tgactccaca actgggtccac 240
tcgag 245
```

<210> 1258

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1258

```
gaattcgagg ccgcgtcgac caccatccta ctggagaaaag catactttta tgctaagatc 60
ttactttaag cgttttatgt gaacaaaaga tgtacatata gtaagtatta ctcccgtagt 120
cctcaaatct actataactt ttgtacttag tataatgtttt atatttggaa aacagcacta 180
cgcttagttt tctgttagtt cctgagtgat gctcgag 217
```

<210> 1259

<211> 156

<212> DNA

<213> Homo sapiens

<400> 1259

```
gaattcgagg ccgcgtcgac attttctgtc attgtttcca ttctgcaccc cttttttct 60
gtttttttcc tgagattatt aggaatgttt tatcataggg tattattaat ttctctttta 120
gtggcctctt tatcacattg tcacattatc ctcgag 156
```

<210> 1260

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (22)

<220>

<221> unsure

<222> (24)

<400> 1260

```
gaattcgagg ccgcgtcgac ancnagatgg aggattcggc ctgggctctg ctgtttcttg 60
cagccgctac tggaaacctc acctcgactc cagcggcccc gacagcacgg aagcagctgg 120
ataaagaaca ggtagaaaag gcagtggacg ctctcttgac gcattgcaag tccaggaaaa 180
acaattatgg gttgcttttg aatgagaatg aaagtattatt ttlaatggtg gtattatgga 240
aaattccaaag taaagaactg agggtcagat tgaccttgcc tcatagtatt cgatcagatt 300
cagaagatat ctgtttatct acgaaggatg aacctaatcc aactcctgaa aagacagaac 360
agttttatag aaagctttta aacaagcatg gaattaaaac cgtttctcag attatctccc 420
tccaaactcg ag 432
```

<210> 1261

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1261

```
gaattcgagg ccgcgtcgac ggtaagtga cttggaaaag ggaatagagt aagggggatt 60
cagaattgtt gaggatagag gttgcaattt aaagtgaagt ataactgggtg gactatcctt 120
gagagagtga tatttaggaa aaatttaacg gagaagtatc catgttaata actggggcag 180
ttctcgag 188
```

<210> 1262

<211> 161

<212> DNA

<213> Homo sapiens

<400> 1262

```
gaattcgagg ccgcgtcgac ttaaagttta agtgaracta aattaaagta cgtttccctt 60
gtttaaaact gttcagtgct ttccatttca ttgagaataa atttgaagct cttttcatgg 120
```

ttctataatat ttacataga cttacccttg tatacctcga g 161

<210> 1263

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1263

gaattcgcgg ccgcgtcgac aaataacctt tcaacaagtt aaattgcctc taggatttgc 60  
 ttctccaga tttaaattatc ccaaagtctt ttcttttttc tcataaaggc cttttcaaaa 120  
 agaaacattg gttactttta aaatttcttt ttctagctct ttataaaact ttattctttt 180  
 cataaatgta ccacaggata ctctctcag 209

<210> 1264

<211> 323

<212> DNA

<213> Homo sapiens

<400> 1264

gaattcgcgg ccgcgtcgac gagagtggca tgcattgataa aattcaaggc agcagtacac 60  
 ctctgggaca gtctgttagca gttccctaata ctacctgtat ccattgagcgc agataggagt 120  
 gaagcctcct aggcctccag tctgcagcat ctctgtcaca tggaaacctg atgggtgcct 180  
 ctgtgagggg ggccaattat gcacagtgc cactaaacac agatcatttt agccttccta 240  
 attagccact aataaaaaaga cactgaagta agtacctga agatcaaaga gagatttcca 300  
 ccattgcctca ataactactc gag 323

<210> 1265

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (188)

<400> 1265

gaattcgcgg ccgcgtcgac atttaatat cactcttggg actttacaat cagtcactgc 60  
 tccctatgga atttcatagc tcacttttat aacagacatt ggtaaaataa gaattctattg 120  
 ttaaagtact catctaaaat attttaatac tcattggagt gatttttgcct agcaaagctt 180  
 aaaaattnac ataattgcttt gtttcacctt gattctcag 220

<210> 1266

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1266

gaattcgcgg ccgcgtcgac caatgataaa aacagtctct taattaaact tgcctgaatc 60  
 ctctataaac ttggttaattt taggcaatat agtctccctt cagtgttcat gagagattgg 120  
 ctccaggaca cccctcctac caaaatcctt ggatactcaa atcccttata taaaatagtg 180  
 tattatttgc atataactta tgcacctctt cctgtatact ttaaatcctc tctagattac 240  
 ttataatatt aatggtaaaa ccacaattac ttctgcacaa actctcag 289

<210> 1267

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1267

gaattcgcgg ccgcgtcgac tgaatatataa tttttttata gcaatgtaat tgcctatata 60

```

aaaaagttaa taaaagatag gttttttttt aagtatatat ttctaaaaga ggaagattgg 120
gtttttttgt ttgttttttt ttatnttttt tttttttttg agacagggtc tggctctgtc 180
atccagggtg gagtgcagtg gcattatctc agctccctgc aacctccacc tcccagctc 240
gag 243

```

&lt;210&gt; 1268

&lt;211&gt; 152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1268

```

gaattcgagg ccgcgtcgac gggctccaga aaaccagggg gactcaaac agaagaaac 60
tgcaaacatt cgttttattt gctattttta aaaatttggg aatatggccg ggtcggttgg 120
ctcagcctg taattccagc actttctctg ag 152

```

&lt;210&gt; 1269

&lt;211&gt; 192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1269

```

gaattcgagg ccgcgtcgac ggttttatga acatttattt agccgttgta ttgtggttgg 60
ggattgtata ccattgctttt tatttgtatt ttttttttac ttcttttaga gacagggtct 120
cactctgtca ccagtcctgg agtgcagtgg tgaatcata gttcagtga gtctcgaaat 180
cctgggctcg ag 192

```

&lt;210&gt; 1270

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1270

```

gaattcgagg ccgcgtcgac attaagcatg acatatactt catatgatca ctcatcttga 60
gttaattaga aaatacctga gttcacgtgc taaagtcatt tcaactgtaat aaactgacta 120
tggtttctta agaacatgac actaaaaaaaa aagcgggttt ttccaccgt tcttgattat 180
tagacagtat gaaatagctg ttttcttttag ttttacaaga tgtgacagct ttagtggttag 240
atgtagggaa acatttcaac agccatagta ctatttgttt taccactgat tgcactattt 300
tgttttttta acagttgcaa agctttttta tggcataaaa gtataattga aatctgttgg 360
atttatttac aaacatgtct cgag 384

```

&lt;210&gt; 1271

&lt;211&gt; 173

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1271

```

gaattcgagg ccgcgtcgac ggtggctgac cctgtcccag ccgcgaacac cccctgctcg 60
gcytctctcc gcccggtgc tcttgggtgg ttgcccagag aggcgcacgg ccgccttqgt 120
cgcgggggag tgaacgggag gccggggaat gcgaaccggc gcaaactctc gag 173

```

&lt;210&gt; 1272

&lt;211&gt; 228

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1272

```

gaattcgagg ccgcgtcgac caacctcttg ctgtccatgt atttctctgt gctgggaatt 60
ctgcccctgt ccacacacat cagccccttc atgaataagt tttttccagc cagctttcca 120
atcgacactt accagctgct ctccacacag ggttctgggg aaaacaagga agagatcttc 180
aattatgaat ttgacaccaa ggaacctggg tgcctggggc cactcgag 228

```

<210> 1273  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (24)

<400> 1273  
 gaatttcgagg ccgcgtcgac agcncattta tgatttggaa caactagggt ttatataaga 60  
 tacaaaaatt aaacaaagga tttgtgcatt qcaaaaagct acaaggaggt ccaaaagcagg 120  
 aagttatgca aaacatagca tttgcccctg actgggagtg cagggaagat gtggaagagc 180  
 agagaggaag agaaggaggc tagggtagg tacctactca agaagggtga aggggaattgt 240  
 ggaaggagag gggccggtgt cctgctcctg ctgtcaaaact ctagaacctt gtggggcctgc 300  
 tgtgatccca cagagaacgt gaagagggtt cccagttccc tatggccagt gccaaagctgc 360  
 aagtacatta gggagtatct ccaaggcttg tgggtgggga actcgag 407

<210> 1274  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 1274  
 gaatttcgagg ccgcgtcgac gagagatttt tacttatata atagtcctag agtttgcagc 60  
 tggtaaaacc agaggctaca tccagtatta ctgctaagag acattcttca tccaccaatg 120  
 ttgtacatgt atgaaaatgg tgtactgtat accttaacat gctcctcga g 171

<210> 1275  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 1275  
 gaatttcgagg ccgcgtcgac cttgaattgc ctctagagca ttgtgtccgt ggtttcaatt 60  
 gtatcacaga atgttacaca gactgaagtt aagtgggtac ttttctcag gggttatctt 120  
 attttttctc attcagttta acatggttac tgcataagac agtatctctg gaaatgaagg 180  
 catagtcttt catttaaaaca tgcacagag ggatttccat aatgaaagca ttcaaatcat 240  
 gtgcctagtt cttgtttcta gcagcccact cgag 274

<210> 1276  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400> 1276  
 gaatttcgagg ccgcgtcgac cctgattcca aagggtatatt ttctgcacac ttacaatgaa 60  
 attccaacct ggcaccatct ttttcaactgc agaattgcag aaggtggttg catcatgtca 120  
 tttcgacatg catttaaatg taatgaaagg cacacagctc gag 163

<210> 1277  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

<400> 1277  
 gaatttcgagg ccgcgtcgac ttttgagata atttaaatgta aattcgtatg gtgtgttttt 60  
 ttttaaatatt ttgtttttat tttttgattg gctgtgttta cagtgaacat tttctctact 120  
 ggataaactat gtgtaaattg ccattagggg ttatataagcc ttacaacca gtttttaggc 180  
 aggaaaatgc cacagaattt gaagttttct ccttagggaa gtgtgtatgt tgcctatagta 240



agggagtact cgaq

254

&lt;210&gt; 1278

&lt;211&gt; 181

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1278

gaattcgagg cgcgctcgac cgattgaatt ctagacctgc ctcgagtgat ctgcctgcgt 60  
 tggcctccca aagtgcgttg attacagacg tgagccactg tgcctgtctt gtctctgata 120  
 ttttatgcc attatgtggc ctctactgcs ttaggattct aatgttccca ctaagctoga 180  
 g 181

&lt;210&gt; 1279

&lt;211&gt; 179

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1279

gaattcgagg cgcgctcgac ccctcccttg ttttctagc tgtttttttt gtttttttct 60  
 aggtgttttt tgttttttta agcttctaag tgaatcaact aatataatto ttaagagaat 120  
 tagctgtaaa gatattcata ccattgctct tcagacacat gcagctagtg ctacttgc 179

&lt;210&gt; 1280

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1280

gaattcgagg cgcgctcgac aaacaaacaa aaaaagcatt tcttggagag aagaagcatg 60  
 tacagatgag caagtggaga ctaaagatgt ttgagtggat gagttagacag gtgaacaggc 120  
 gggcatttgt ttttattatt gttacttatt tatttttaaa ttttcttttt ggatgctccc 180  
 tcacccccct cctccttccc caggcaggta tttcgataga taaaggatgg gtgctcgag 239

&lt;210&gt; 1281

&lt;211&gt; 213

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1281

gaattcgagg cgcgctcgac gatttttagaa gctatagaca ttgtttaaga taactaagaa 60  
 tacttggcta agaagtataa ttgctaact attaaggact ttcttttttt aatgttgta 120  
 actattcttc ctactctttt ttggttttgg ttttgttttg tagagactgt ctcactatgt 180  
 tqcccaagct ggtctcaaac cctaatctc gag 213

&lt;210&gt; 1282

&lt;211&gt; 148

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1282

gaattcgagg cgcgctcgac atttggaatt gtaacctgata agcaagcaca ggaatttaact 60  
 tggtagccac cacaacacct aaagaaactt aggcctagaa gtgcaactta atcacaattt 120  
 agatttttaac acacacgcct ttctcgag 148

&lt;210&gt; 1283

&lt;211&gt; 186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1283

```

gaattcgcgg ccgcgtcgac gggaatcagg gaaaggctgc ctcttttggt tctcaactgg 60
tattgattat tgctatcaac tatttgggga gaaaaaatca aaatgaagcc ctgtcaaat 120
ttagaagtac tatctttggt ctttcaaac ctttgtgatg acaccttaag aaaaacaaag 180
ctcgag                                     186

```

&lt;210&gt; 1284

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1284

```

gaattcgcgg ccgcgtcgac tgcagttgct gccaaacttg ggtattcatg gaatttctag 60
taaatgaaac acctatactt tgatactgaa gactgccaaa tacataggaa tttctttct 120
taaaaaaacag taatgaagac tatatctcct tcccacacac tgaatgtttt actagcactg 180
ggtgctcacc atgcaactga agaaaatgtg aaatctctcg ag                                     222

```

&lt;210&gt; 1285

&lt;211&gt; 190

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1285

```

gaattcgcgg ccgcgtcgac ggtgtacgga tattttcttc aaattatcta tttgttgat 60
gttttttgta cccattctgt tgtgtttgct tttattaatc tataatatca tctgtttcaa 120
tatggaacac cccacaggtg caggtctgag gtgctccctg ttggcagctc ctaaagagaa 180
gcagctcgag                                     190

```

&lt;210&gt; 1286

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1286

```

gaattcgcgg ccgcgtcgac attgtacatg cttctggact tgccttttcc cttagtgat 60
cttggggaat ttgccttgat atatggagag atgcagctgc tttgtttcat gttttgctt 120
tttttttgga cagttggaca tgcgtgtccc aagtgtggtt atttagccga tctcgag 177

```

&lt;210&gt; 1287

&lt;211&gt; 293

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1287

```

gaattcgcgg ccgcgtcgac caaaaaaat gctagagtaa gaaatcagag gaatggqaaa 60
atgaggggtg gattaaatga aatacgcata aattactata caaaatgctt gcaqgaaaag 120
cccggtgaat ttgttgagat agattgcaaa ttttacttta gtcttcccag aagtcacggt 180
aaagaaggtt acagaagtat tgtgtattca aaatccaaag tgcctttggg ataaaagtaa 240
ataggtcatt caggagaagg acatgttttc ttaattctaa aagctgactc gag                                     293

```

&lt;210&gt; 1288

&lt;211&gt; 277

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1288

```

gaattcgcgg ccgcgtcgac caaaatttaa gtatgcagtt ctctttttgc tgggtttatt 60
ggtgttggtt catcgtgagt aagaagcttg ccttgctggt ctctgggaaga tgcctatagt 120
ttcgttactg gatgtttgga gtatatactg gtctgggatt ggtgggaatgg agaacacacg 180
tgttgggtgt tctgggttagc actgggttagc attagatnat gtttccatgc caaagtttgt 240

```

gtggggcgcc gcatgtgcac cacagagtgc actcgag

277

<210> 1289

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1289

gaattcgccg ccgcgtcgac aggagctatg cctccaaggt ggctccttac acccatataa 60  
atgtgggatg gaatctgaga ccttagaagg gcccttcggt gtaaacctctg aaggttagt 120  
ccagaaggag gtggccaact tcctaagtgg cctgggggtca agatcatttt cacctagaaa 180  
gacaccagac tatagaaatc taggcaatga caaactgcta ccattttcct catatgattt 240  
tttttcaggc agcttgggga ctcgag 266

<210> 1290

<211> 139

<212> DNA

<213> Homo sapiens

<400> 1290

gaattcgccg ccgcgtcgac caagaattta ttttttttat tttttaaaat taaaaataat 60  
tttatatttc tctgttgcac gaggattctc atctgtgctt ataattggtta gagattttat 120  
ttgtgtggct atcctcag 139

<210> 1291

<211> 154

<212> DNA

<213> Homo sapiens

<400> 1291

gaattcgccg ccgcgtcgac gagagagtgt actttatcct cacaagtcta ttagtgcata 60  
ttaaatacata atgaaagcaa tccctggcca ggtgcagtgg ctcatgcctg taatcacagc 120  
actttgggaa ggggaggcag gcagatcact cgag 154

<210> 1292

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1292

gaattcgccg ccgcgtcgac gtaaatgctt attagttaac caggcagggt taaccacgtt 60  
attatagaaa ctctaagagg ttccacatgt gttttttttt tgttttgttt tgtttgtttg 120  
ttttgagatg gagtctcgtt ctgtcaccca ggtgggagtg caatggcgct gtcttggtct 180  
cctgcgacct ctgcctcccg ggttcaagca gttatcctgc ctcaacctcc caagttagctg 240  
ggattacagg caccctccaa ccactcga 269

<210> 1293

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1293

gaattcgccg ccgcgtcgac gctaattggc gtttgcattt gtgtcttcaa acagatccctg 60  
gttacagcca ttttgtgtga ttcaacttcg gggttaagta atgcaggatt ctgcaaaaca 120  
gggtgtcccg tccaaatgta ctgtccctggc atagagagca ctgctttgtt ttccactggt 180  
gtagagaaaa ctaggagagaa gctcga 207

<210> 1294

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1294

```
gaattcgcgg ccgcgtcgac atttcagtgg tatttttatt ttctactccc tattccctta 60
gcttggttca gatttaaaat gtccctcacc ttctagtatt ttaagggtcaa aggttaggtt 120
attgatttga cacccttctt gtttgtaaat gtaaatattt acagttataa attttatctt 180
tagatgcacc aaaacaaaat gtattggcaa agagtcatac tcgag 225
```

<210> 1295

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1295

```
gaattcgcgg ccgcgtcgac taacaatatt gattcttcca atccatgaac atgggataac 60
tttccatttt ttgtgtgtct tcttcattta ttttatatat ttattttttt gagatgggtt 120
ctagctctgt ccccatgtgt ggagttcaat ggcattgatct cagctcactg caacctctgc 180
ctcctggggtt gctcgag 197
```

<210> 1296

<211> 171

<212> DNA

<213> Homo sapiens

<400> 1296

```
gaattcgcgg ccgcgtcgac ctgacttttc tacatatgct ttatcaacct ctttaattaaa 60
ccatcattgt ctattttgag agataactgc gctgcttccc attgtgtgtt ttaaattgta 120
ttgttcagtt tgagtcaaat aaaaggatat ttaattctatg gtggcctcga g 171
```

<210> 1297

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1297

```
gaattcgcgg ccgcgtcgac cgagttgttg aattgtcaag gatgtcacac agtggacaga 60
aagtccaagc gaggagggtt ctgacccagt gctgatggag attagtgggt ggtgtctggt 120
atgaggatct actgcactga caagggtgtc ctacagagtg gagtgtgttc atatggcctg 180
ggacggggaga ggcccaagca cagcaaggac atcgcctgat tcacctttga cgtgtacaag 240
caaaacccctc gag 253
```

<210> 1298

<211> 170

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (32)

<400> 1298

```
gaattcgcgg ccgcgtcgac ctgcttttta anacaacaaa caagaacaac aacacaaaac 60
tggtaatgat ttqgaataat catcggggca tatttaattct gggtagtggt tcgctgggtg 120
tagagtgggt gagacttctt gggaggactt tttccgcttc cactctcgaq 170
```

<210> 1299

<211> 185

<212> DNA

<213> Homo sapiens

<400> 1299  
 gaattcgcgg ccgcgtcgac ccgggattta ggggcaggat aaagattagt aatagctaqt 60  
 aaggaaacaga attcaaaatg tggctctctaa ttacaaaatc tatagtttta acctcattta 120  
 ctgctactag tctccctgat ggtataacct tcttaaatct ttcagtaggt ccaggtgac 180  
 tcgag 185

<210> 1300  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<400> 1300  
 gaattcgcgg ccgcgtcgac acctagtata accttgcact catttaaat cagtgaatta 60  
 ggttttcagt tctctagaa ggaaaaaac caactttttg agcctgcctt tgtttctctg 120  
 cgtgtaagt tatgtgtata taagaaatga aaattcattt tctcaccagt ttactagtct 180  
 atgtaagttg gttctcttta atccatgttt ttgagaatgg acctgggaaa gcaatgggac 240  
 tcgag 245

<210> 1301  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 1301  
 gaattcgcgg ccgcgtcgac agtccctggg gtgtggagcc gctagggttt gcaccatga 60  
 aacagaaaag ccacacctc caagggtgtg ctttcatttt gggactgctg cagggagggc 120  
 agaggcattg ctgagactgc ctggcaacgg ctgatgcccc aggtaggacc ttttccattt 180  
 caaagtgtgt tcttaagtc gcgtccaaca ctgtgtagga aaaaggttgg tgcaaaaata 240  
 ttcttggtca tccacctatt aaaatagtta gatgaggcta ttgccttgat gacagctgtc 300  
 cacactctc atgaaattaa ccggtatgcc ggggcatttc caaatgtctg aactcgag 358

<210> 1302  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<400> 1302  
 gaattcgcgg ccgcgtcgac gaattctctg attaacaaaa tattttaata aatcttaaga 60  
 gaaaatcttt taaaaaatt ttagggcaca atgaggcacc acctctctctg ggcaaatgca 120  
 tttgctctc atttagtgga cattctcgag 150

<210> 1303  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 1303  
 gaattcgcgg ccgcgtcgac agcatgctta ttcttacttc taaaaatata gtcangtcac 60  
 ggtgctttt ctggctactg ctaccttgt gtcaacttgt atcagcagta tttcaaggaa 120  
 gcaaatggca cgttgaaatg aggataatc aaggaaqgta tattacana gatattagta 180  
 ataaagatgc tggactcgag 200

<210> 1304  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 1304  
 gaattcgcgg ccgcgtcgac ctggcttctt atagatgca: gaagtggcta ggaaagctgt 60  
 tagaggtagg atacttagta agagccgngg tctcaagccc tggctgcaca ttggaaactgt 120

ctggagaaca tttaatggcc cgatgccca gttcaccosa gatcaattat atcagcagct 180  
cactcgag 188

<210> 1305  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 1305  
gaattcgcgg ccgcgtcgac cgcaggattg ggactgatac agaggccgcc acggagcccg 60  
ccggagccac cgttcctgct gctgcgcgcg ctgcccgaaat ccgaaccgtc gggccgcagc 120  
cgccggcaat gccgcgaagg aagaggaatg caggcagtag ttcagatgga accgaagatt 180  
ccgatttttc tacagatctc gag 203

<210> 1306  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 1306  
gaattcgcgg ccgcgtcgac caacattgaa gaggataact gcttttcata agtaagtga 60  
attttgaagt tctgttttc ttaaatctgt agaaataaac ttgcatgttt tgtgggttat 120  
gttaatttct aagctaattt gttgtgtgtg ccagctcgag 160

<210> 1307  
<211> 585  
<212> DNA  
<213> Homo sapiens

<220>  
<221> unsure  
<222> (18)

<220>  
<221> unsure  
<222> (23) .. (24)

<220>  
<221> unsure  
<222> (277)

<400> 1307  
gaattcgcgg ccgggtonag cennttectc taagcgttta cttacatggc taagatatcc 60  
tggaacctct ctttctctga ttaacctctg gccttcggca gcataataagc aattagtctc 120  
ttccaaaaat ttcagtccaa atgaatcttt atacacctgc aggtcagaca gcattgcccag 180  
gaggctccgc aacagggctc ggccacggc ctcgcgcctc ctctcgcctc cgatcagcag 240  
taggattcca tcaatgggtt tactcngaac catttntca ccaanaatat gggttctaaa 300  
cagttctaat cccatatccc agatggaggg cagcgtggag ttctgcagca catagggtgcg 360  
gtccaaagaac aggaagatgc ttctgancat gatcacttgt ctgcagtggt cctgcacgca 420  
cctgttaate tctcttaaaa ataaaact atctagttag cctctcttaa accgaaggat 480  
ctgtgcctgg acgtggtctt cacaggcctg acgcagttgc ttgttagagca ttgnggagac 540  
tttgtgagaa cagagatttt ccacagcccg gtaagctctc tcgag 585

<210> 1308  
<211> 219  
<212> DNA  
<213> Homo sapiens

<400> 1308  
gaattcgcgg ccgcgtcgac ctttaaaatg tttctctacc ctctctctct ctctctctaa 60

```

ttccagttac acgttttttag atattttgat attgtcttaa aaataacatt qccctctgtac 120
atcttttttc agctgttttt ctctttattg ttttagtttt ccatttgta ttataattta 180
gttcaggaca caaagatgag ggtagggaga agcctcgaq 219

```

<210> 1309  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1309
gaattcgcgg ccgcgtcgac cacgttagtg tagacatggc cttgggggct gagegcagca 60
gccaggctgc cagggctggg ggcggttagg aggcacggta gttgggtggg ggaagaggg 120
cttgggtggg ggcggtcagt tagcctggct gggtagggtt gatgagggtga ctcgag 176

```

<210> 1310  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1310
gaattcgcgg ccgcgtcgac gccaggaata tgttctgtaa aaacgtgttt tatatgattg 60
tgcagggtgt ctactgttc ccagaactac ctgaatcaga ctgtgcccc gcaggtggca 120
ctggaaataa cctcctgttg aatgtttctc atgccctct ctatggcag gacacactcg 180
ag 182

```

<210> 1311  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1311
gaattcgcgg ccgcgtcgac tgaagagaga gcaccacatg gacatccgag atgtaacct 60
ctaggcagtg agggcagcat gttagcagag aggtgaagga tgaagacaga gcaccaaag 120
ggcatccgag atgtaacct ctaggcagtg agggcagcat gttgcctcga g 171

```

<210> 1312  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1312
gaattcgcgg ccgcgtcgac ggagaatcac ttgaacctgg gagataggga ctgcagtga 60
caaagattgc tccactgcac tccagcctga gagacagaga ctccatctca aaaaaataa 120
gaaaccgcgc ccagcccaga cccctcattc ttaaagaata gtacttcctc tctaagtgat 180
aagatcctga tgaaactgtt aaaattcagg cgaagcgtcg ag 222

```

<210> 1313  
 <211> 216  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1313
gaattcgcgg ccgcgtcgac gtaacaacca gttgagaaaa agggaggaa cgaagataac 60
tcaggttttg agctagggtg gaggaataat ttggaaggag aagataacaa actgcatttt 120
aaccctcttc agatgggaag ctcagaagga catcattgtg aaaatatcca gcaagcccat 180
ggaaatgttg agaggtcaga accaaataaa ctcgag 216

```

<210> 1314  
 <211> 251  
 <212> DNA

<213> Homo sapiens

<400> 1314

```
gaattcgcg cgcgctcgac acagctctct cctcatttta atccaagggg agagttgtaa 60
tcctgagaac agccaggatt cacagttgaa aaataattta aaaagctctt ctgggggtat 120
agatttttag ttcaaaaaaa catatcaata ttcagagtta tacagaaact gacagagggt 180
ttatttttaa aagattcaga agaattggatg actcatactt ttcaactaga ttcatcacg 240
ggatgctcga g                                     251
```

<210> 1315

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1315

```
gaattcgcg cgcgctcgac attagagaat aaaaggggaat gacttaaaat tttccatgt 60
atgtattgat ttatagatta tttttctgta cggtttgtaa aatacatgtt tttttctttt 120
tttgagacag tcttactctg gcatctaggc tggagtgcga tggcgcaatc ttatgtcact 180
gtaacctcgc ccacctcga g                                     201
```

<210> 1316

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1316

```
gaattcgcg cgcgctcgac acctgacgtg gcctctagag aatgttgccc agggcagtag 60
agcctccctg gtggcactgc tgtcagcacc acctgcaca gcccggcaga acctgcctt 120
gccctggcca tctctgtctc tgagattcac cacggagggt agcttggtta taggtgagct 180
gttaagagta ggggtttgtg ttcttggaag ttagggttta ggagccacac atttctctct 240
tgcccagctc ttgcttgctt agaccatttt ctttatcttt ttcaatgaac acctgtcaaa 300
gtgtgctcct tcttccatc ctctcgag                                     328
```

<210> 1317

<211> 254

<212> DNA

<213> Homo sapiens

<400> 1317

```
gaattcgcg cgcgctcgac caaaaacatt aaaaaacttt cctaagtcac tttagatgat 60
tttaaaactt ttttttaact gtatcacact gcttctcgat agttcaagtt aattatctta 120
tttgatatct tagacttggg acagtgtctg tgttcccagg ttggtgaata cttaaggttaa 180
atattagctg aatgccttcc atgtgctcaa cctgtctatt gtctagaaaa ctaaaatcta 240
ggctgggaac cgag                                     254
```

<210> 1318

<211> 203

<212> DNA

<213> Homo sapiens

<400> 1318

```
gaattcgcg cgcgctcgac tccgtattta gttttctttt cctgtgttcc aattcttgga 60
tttgaccttc tagctccctt tcagctttct gtttctcatt gtttgcttct tttctctctt 120
ccagctgatg ttcaacttgt ttctctctgt gtttcaaaaga ttgatgggtg ttatccagtc 180
gaactgattt tatggacctc gag                                     203
```

<210> 1319

<211> 271

<212> DNA

<213> Homo sapiens



&lt;400&gt; 1319

```

gaattcgagg cgcggtcgac ccacttttta gtagggcaaag acactttctac cacaacaatc 60
aggtaatctc ctcatatttg tgaatatgga agtgattgaa tgtttctatc ttatttttga 120
ttcttataat aacttcaaaa gtctctgcac acaaataggg tcagattaag cctcgacttc 180
tccaaagagt tctcaaaaac cgaagaacaa actttttaagt ctcttgatat ttttcattga 240
ccatttatat ttagttagctg gtaactoga g                                     271

```

&lt;210&gt; 1320

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1320

```

gaattcggcc aaagaggcct agaagctgat caagttttctg gccttcgaga gaatacatca 60
gtttttcccc tcccggttcc aaccttcacc gggcagtgct gggacacatc agctggcttc 120
tgagaggcac cacatagaag tgcaaaagaa ggaggtacag gcccgagctg tgttctaccc 180
ctctttaggg ttgggaggag ctgtgaacat gtgctatcga accctctaca tcgggacagg 240
agctgacatg gatgtgtgcc ttacaaacta tggctactgt aactacgtgt cggggaaaca 300
tgcttcgata ttctacgatg agaataccaa acattatgag ctgttaaact acagttagca 360
tgggacaacg ttggacaatg tgcgttattc atgtgacttc tcggagaaga ccccgccaac 420
cccccaagc agtattgttg ccaaagtcca gagtgtcacc aggcgcgcgc ggcaccagaa 480
acaggacgaa gagccaagtg agggaggcag catgatgagt tcccaggccc aggggcccga 540
gcggagaccc tgcaattgca aagccagcag ctcgag                                     576

```

&lt;210&gt; 1321

&lt;211&gt; 115

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1321

```

gaattcggcg cgcggtcgac ggctcctcac taatcaataa cacaagtget aagttctaag 60
tattttaaaaa aacaaaagac tgcaggtgac tctttctctc aggtcccatc tcgag 115

```

&lt;210&gt; 1322

&lt;211&gt; 557

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1322

```

gaattcggcc aaagaggcct agacagaaga taaatgaaaq tataaaaaaa cctttaagta 60
gtaaaaggagg cactcaaaaag tgtattttct ggtatagttc tgtcttccca gtagggtaga 120
tgtcaggctc atctgttaat aaaagtcaac accaaaatga tggtaggaag ttgtgggttt 180
tgggggaaaq ttcaaaattg gggctgtagg acatgtaaat catgaagata cgatttttta 240
aaatagccaa atagtaatat aggtatgcta tggtagagat cttgattgtg catccattaa 300
tgtatagtgt gcttaaaatg tctataggct aaggaaattat ttgactttg atatgtggac 360
aggaaggagc ctctgaaagt aacttgaaga aattgatatt ttcagttttg tagcatcata 420
tagtctaatt ggaatggana gagatgtgag gcagagatat caggaagcca ttacaggagg 480
ccgggtgtgg tgtgttaaat agtgactgag gcagagagaa cgaaaattata ttgtaaagtg 540
agagacagct actcgan                                     557

```

&lt;210&gt; 1323

&lt;211&gt; 376

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1323

```

gaattcggcg cgcggtcgac caagcagcag cgagtaccag tccctttctt gttctgtgta 60
caagctcacc ctctgtcacc tgcacaacat catgaaggta tccaccactg ccttctgtgt 120
tcttctctgt accatgacac tctgcaacca agtcttctca ggcacatag tagctgacac 180
cccgactgct tgcgtctctt ctctagagcg gaagattcca cgcacaattca ttgttgacta 240

```

```

ttttgaaacc agcagccttt gctcccagcc aggtgtcatt ttcctgacta agagaaaccg 300
gcagatctgc gctgactcca aagagacctg ggtccaagaa tacatcacta acctggaact 360
gaatgccgta ctcgag                                     376

```

```

<210> 1324
<211> 372
<212> DNA
<213> Homo sapiens

```

```

<400> 1324
gaattcgcgg ccgcgtcgac caaagtgatg agcatgggtt cctattccct tctggagatc 60
gtgtgtgtct acggctactc gctgttcata tatatcccca cagcagtcct gtggatcatt 120
ccccagaggg ttgttcgttg ggctccttgc atgattgccc tgggcgtctc aggcctctgt 180
ttggtaatga cattttggcc agctgttcgt gaggataacc ggcgtgtcgc ctgggccacc 240
attgtgacaa tctgtttgt tcatgtgctg ctctctgtgg gctgcttggc ttacttcttt 300
gatgtccag agatggacca cctcccagca gctataacca ctcccacca gacagtaaca 360
gcggcactcg ag                                     372

```

```

<210> 1325
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<400> 1325
gaattcgcgg ctgcgtcgac aggggaagggt cctatagagag aaattaaatt tcacaaaagt 60
ataaaagcaa agactggcta aaatctgtaa ctctcatgag aagaataaca acaataacct 120
attctataat taactcctcc acagtgaaca atctgctaca cattccttga tgaggaaatg 180
acctagctta ccacagtgga aacctgccac aactgcaagg ccgggggttct cgag 234

```

```

<210> 1326
<211> 537
<212> DNA
<213> Homo sapiens

```

```

<400> 1326
gaattcggcc aaagaggcct aggatctgta atgttgatta gtctttagcc ataaccacta 60
cacttttaga aagacagaaa aatgtaagaa ttctttttta ccataatgag tctlaagtag 120
gttcatgata tacattgggg cctgggatta tttttttaat ttttaagtct catgagatag 180
cctaataaat ggagggtggg ccaggcatgg tggctcacac gtgtaatccc aacacttttg 240
gaggetgagg aqgaaggata gcttgaggcc aggagtgtga gactagactg ggcaacatag 300
caagaccccc tctctacaaa gcacaacgaa aaacaacaaa tggagtgtgt ctatgtttga 360
ttgctttgca caaaattagg aacagggtgt tgacaattga atttgttttc tgtgaattct 420
aacctctaaa ggcattgctta gaggtcaagg accttccgtg gtagtgtgtg caaaagcaat 480
ctccacagga cagcactgct tccatgcttc atacatcagg aatgaggcc actcgag 537

```

```

<210> 1327
<211> 206
<212> DNA
<213> Homo sapiens

```

```

<400> 1327
gaattcgcgg ccgcgtcgac caaccatttt gctctgcata tcttctttcc tctagagcct 60
ttagaagcatt gtatttttgg aaaattcttc tgtaaatact ataactttta taaatggtta 120
agtattttag aattatcttc agtgcttatt tctcccttct tctgtataaa tctgctactt 180
caattaagtt ctctccatc ctcgag                                     206

```

```

<210> 1328
<211> 178
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 1328

gaattcgagg ccgcgtcgac atttgatacc tttagatagcc tttaactaag tattccagcc 60  
 gccacatggg gtcacccatt gaccctggac cactgccttc accacttcac ctcatcagaa 120  
 tcagtgaggg atgttggtgtg tgacaactgt acaaagattg aagccaagag aactcgag 178

&lt;210&gt; 1329

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1329

gaattcgagg ccgcgtcgac catgtgggtg gctgtattac tcatgtgtca gatgtaccag 60  
 atatcatgtt taggtattac tacaaatgaa agaatgaatg ccaggagata caagcacttt 120  
 aaagtcacaa caacgtctat tgaagagcca ttcgtctctg ag 162

&lt;210&gt; 1330

&lt;211&gt; 223

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1330

gaattcgagg ccgcgtcgac gtctctcaaa aaaaaaaaaa aaagatcgtg tctcacctgc 60  
 acacaacatt cacaaactaa agccaaattg tttttttaa atttctcttc tcccttctg 120  
 ctccctgaga ctgttttgat tgacatcttt tgtgtttctc ttttttccga ggcagtattt 180  
 tctttgtatg ttaatcatag ttatagtaaa gtcagcactc gag 223

&lt;210&gt; 1331

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1331

gaattcgagg ccgcgtcgac gtctcttaca acagaagcca agaaggaagc cgtctatctt 60  
 gtggcgatca tgtataagct ggcctctctg tgtttgcttt tcataggatt cttaaatctt 120  
 ctcttatctc ttcctctctc tgaactcagg gaaatatctt tccaactctc agcactctat 180  
 gaagacgcgc gcttaactcc ggaggagcta gaaagagctt cctctctact cgag 234

&lt;210&gt; 1332

&lt;211&gt; 137

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1332

gaattcgagg ccgcgtcgac ttgtgcatac tgtaagcaaa ttgcttagct tctctagaca 60  
 tcaactgtgt tgaagatttg cctagcacat ataactaaat ggtgctcacc tgcactgcac 120  
 tcacacactt actcgag 137

&lt;210&gt; 1333

&lt;211&gt; 181

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1333

gaattcgagg ccgcgtcgac cgagttctct tctttcagta agacatacca aagtttgtgt 60  
 aaatctctat tacttttgtt ccttagttgc tgacaggctc atgctgctcc agatttact 120  
 ttttcttgcc cccagttttt tgggtcatta aaaaattctc gttgactaga cctgcctcga 180  
 g 181

&lt;210&gt; 1334

&lt;211&gt; 120

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1334

gaattcgcgg ccgcgtcgac tgcataatata ccataaacac tgtgaagaag caaccattag 60  
gcacaggaat ccagccagat aaattaagta gaaatgctca tctttcattt atgcctcgag 120

&lt;210&gt; 1335

&lt;211&gt; 157

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1335

gaattcgcgg ccgcgtcgac gtacttgaag attaaaggcc ttactgagga gtatccaacc 60  
cttacaacct tcttcgaagg agaaataatc agcaaaaaac accctttctt aactcgcaag 120  
tgggatgcag atgaagatgt tgatcggaac actcgag 157

&lt;210&gt; 1336

&lt;211&gt; 205

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1336

gaattcgcgg ccgcgtcgac gtcactgggg gtttcttctt tgettgttt ctccctcttt 60  
accctacccc ccactcacac acacacacac acacacacac acactttcta taaaacttga 120  
aaatagcaaa aacctcgaac tgttgtaaat catgcaatta aagttgatta cttataaata 180  
tgaactttgg atcactttac tcgag 205

&lt;210&gt; 1337

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1337

gaattcgcgg ccgcgtcgac caagctcttg ctatagctcc tctcaaaaa catttcacag 60  
ctcatcacgg cctgtagaat agagcccaaa ctcttttttaa gtggatatac aagcccttca 120  
tgatctactt ccactatcca gcttcattta ccctcgctct tgtttcttat ctgctatccc 180  
actgcaaacg acatgcagct cccctcgag 209

&lt;210&gt; 1338

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1338

gaattcgcgg ccgcgtcgac catctttaag atagaaaaat ctctaggttt ttgttaccaa 60  
atctgtcagt ctcttacttc attgtatttt tcagttatgg ctagaaagac ctcttgtaac 120  
acagattata catttatttt ttctactaac ttcttatctt ttttatgttt caaaatttac 180  
atttatctgg aatcagatth gctcgag 207

&lt;210&gt; 1339

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1339

gaattcgcgg ccgcgtcgac tgattggaaa tggaaactga aaccggaagg caggagatgt 60  
atgctccctt gggtatgtat gggaatatcc acagagctat tagtacttca ggcattgqat 120  
ttgtctctat gctatgata tgggctccac aactcgag 158

&lt;210&gt; 1340

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1340

```

gaattcgcgg ccgcgtcgac accagaacag agaggttaat ggtgtccacc acacgtcttt 60
ctcattcttt tctcttttat cttcactctg atttttcttt tgtcattcaa cgttactcc 120
cttccccata cctcagtcct ccaggtgaca cctgggctct tttctgctg aacagcattc 180
cccaccaact cgag                                     194

```

&lt;210&gt; 1341

&lt;211&gt; 236

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1341

```

gaattcgcgg ccgcgtcgac agtaatccca tgtacttatt tcttaaatac ctagggaagt 60
cttcttggtg gctctctctg gccctccctt cttctctccc caaccacca tcttgcaagg 120
caagggaatgg cctctccctc cacagaggca acggctgcag agggagcact gtggctgcca 180
tcccagttcc tcttcaaagc caaacagaca cgcgtgactc aaatccaaca ctcgag 236

```

&lt;210&gt; 1342

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1342

```

gaattcgcgg ccgcgtcgac catactgtat tattttgaag cggatcttaa acagtatcta 60
taagtattta ttcattccata agcatttcag tatttgcttc taaaagataa ggcctctctt 120
ttaaaatcat tatcacacct aagaaaaagt taataattcc ataatatcaa catatagtca 180
tatgtttaga ttgccagttg tttcacaat gttatgtgtg tgtatacttt tcagtttatt 240
tttgactcag gatccctcag ag                                     262

```

&lt;210&gt; 1343

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1343

```

gaattcgcgg ccgcgtcgac cccctgcttc gaggagatta tagtctatct ggagagatag 60
atgggtcaaca aattattaca taaataattc atacagttgt gataggtact acaaagaaga 120
cgtataagtt gctatgaaag tttataatag ggaatttta cgtatccttg ggctcgag 178

```

&lt;210&gt; 1344

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1344

```

gaattcgcgg ccgcgtcgac attttctctt cttattttgt tatacatacc attcctcttc 60
tccccctgct ttctgtacatt cttctctctt cctctacctt ccagcacatc taattactgg 120
tgctgtgctg tgtgtcagaa gataaaaacg gtgtattatt gtataatgaa ttttgtatac 180
atgtttatga aatggctcga g                                     201

```

&lt;210&gt; 1345

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

```

<400> 1345
gaattcgcgg ccgcgtcgac cccagcttaa ccatataatc tgcgtgactt tgggtgaatg 60
attgaaacga tctgtgctcc gtgtccaccat ccacacggta gggatcacag ttggctctctg 120
tctctgggag gtctgtgggc tttaaatgag acagtagaga tgaagtgtct agagctgtgc 180
cccggtcatg gccagtgtgc aatgagatgg tctcagagta ttatggctgg agtcaccact 240
tgtattacca ggaagcccg cctctgtgat tacaggatto caactatggt gaetctgcac 300
ctcttccttt ttctcttctt ttctcattcg tcttattacc atttgctgaa attaaatcag 360
aacacacagg ggtcgcacct cgag                                     384

```

```

<210> 1346
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<400> 1346
gaattcgcgg ccgcgtcgac gaggagagat cgaattcgcc tcttctcttc aggcctctct 60
gtctctgtct ttgttttggg tgcgggcgtt gctgctcttg gccctccgcc tttgtttgtt 120
accccgagtc ttgctgacca tggcctctgg aagccctccg acccagccct cgcgggcttc 180
ggattccggc tctggctacg ttccgggctc ggtctctgca gcctttgtta cttgcccccc 240
ccagctcgag                                     250

```

```

<210> 1347
<211> 328
<212> DNA
<213> Homo sapiens

```

```

<400> 1347
gaattcgcgg ccgcgtcgac ctggctcttc gcaagtcgc ctacttgttt gtcaagctgt 60
ccgcgttgtt gggaaggctg cgtcttggtt ttacgcgcgt gcccttcacc cactggttct 120
tctcttctgt ggaagaccgg ctgacgcact tcgaggtgct cctccagttt gaagggcggc 180
ccatgcctcc gtctacctcc atcatcgtca accagctcaa gaagatcctc aagcgcaagc 240
acacctacc gaattacaag atcaggttca agccgttttt tccataccag accttgcaag 300
gatttgaaga agatgaaag tctctgag                                     328

```

```

<210> 1348
<211> 139
<212> DNA
<213> Homo sapiens

```

```

<400> 1348
gaattcgcgg ccgcgtcgac ctctggccta tgattgtgtt gtgtcttgca ttaaaaaaaa 60
aaatttgaga gtggtagaat tactctctgt atctgaaata cctgagatgc actttaaact 120
gttgagatgt ctactcgag                                     139

```

```

<210> 1349
<211> 175
<212> DNA
<213> Homo sapiens

```

```

<400> 1349
gaattcgcgg ccgcgtcgac cagaaagtae aaggagacag agaaaaaate cgtcttgaca 60
agccacatcc atgattgatt gtaaggggat tattataatt gatagcttct ttatcagggg 120
attgctagta tcaattgtac ttgctgggct ttttaaaaga acagactcac ccgaq                                     175

```

```

<210> 1350
<211> 166
<212> DNA
<213> Homo sapiens

```

```

<400> 1350

```

```

gaattcgagg ccgcgtcgac gtttgggttt tacatacaag caatctgcac ttgatttta 60
aaaaagtctt aaaaattttt aaaggatggg gtcttgctat attgccagc ctggagtcca 120
gtggctatct gcaggtgcaa tcatcatggc acattacagc ctcgag 166

```

&lt;210&gt; 1351

&lt;211&gt; 192

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1351

```

gaattcgagg ccgcgtcgac attcattggg gtgctatttg tttttacctg aatgtttgtt 60
actaatcttc ctttcacaga acctctattt ttttttttc taaacttgag ttgagtcct 120
tgttatggtc atcataaggt aatggtttag atgtttaaag atattctctt tccaaaatccc 180
agcgaactcg ag 192

```

&lt;210&gt; 1352

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1352

```

gaattcgagg ccgcgtcgac cataatgttt gcaaaagaag attttctatt ttgcttctt 60
tttgtttttt tagagacagg gtcttggtct gtcacccagc ctggcatgca gtggttcaat 120
catagctcac tgcagctcca aacctctagg ctcaagcgat cctccacctt cccaaagccg 180
tgggattaca ggcatgagcc acagtgcctg gtttattttt gcctttctta agcatgggtc 240
ctagagcatg gtccctcccc taaaaatctc gag 273

```

&lt;210&gt; 1353

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1353

```

gaattcgagg ccgcgtcgac gtttgcgttg ttccagcttg tcttcattta aacttggtgt 60
tgtcttcac ctgctctctg catcttacag tgttctctt taggtattat ctccaccttg 120
acgcgcgaac ccaaatccag atttatcccc ggtgtttgac tgatgcagct cttgcagatc 180
accttcacatg tgcctctcga g 201

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&lt;210&gt; 1354

&lt;211&gt; 211

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1354

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gaattcgagg ccgcgtcgac aaataagcca cagtaccag ggttgatttc agtaagcaag 60
tcccacaaac ttcttgggaa gctttaagaa aatgaaaatg ctctctcttc acctttgcag 120
ctgctgtacc ctctctctac ctctgtcgac tgcagcaggt cagagtgggt ctgagggcct 180
ctctggcacg gctggcctgc cccacctcga g 211

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&lt;210&gt; 1355

&lt;211&gt; 218

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1355

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gaattcgagg ccgcgtcgac aaaggagacc ccgtcaaaaa aaaaagtact tgtcccaaaa 60
gtttttgttt cctagcttag aatttataat cagattaggt ttgggagata aagtatatgt 120
ggtatttttt ttttgagaca gtcttgctct gcatcagc ttgagtgca ttggcgcaatt 180
tcggctcact gcaacctcca ctctctgggt cactcag 218

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<210> 1356  
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 <212> DNA  
 <213> Homo sapiens

<400> 1356  
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 tccattctct tgatgttctc gag 203

<210> 1357  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 1357  
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 tgacattggc agtagttcca gtacgctcga g 151

<210> 1358  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 1358  
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 atatttgtac ttttgtgaga tcttttttgc tgttttacca ttttaagctc ctgtacttgg 180  
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<210> 1359  
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 <212> DNA  
 <213> Homo sapiens

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 tgggctgac atgttgaaga caacttcaga agagctggct tgtcccccgt agcaactcga 180  
 g 191

<210> 1360  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 1360  
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 acttgccttc agaagctat cttgggaggg cacacacag tctacctaag gttccctgac 180  
 tcgag 195

<210> 1361  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<400> 1361



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gaattcgagg ccgcgtcgac aagcatcctg cttttatgag tgtcatatat tttcatatct 60
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tctgcctttt gaagtctttc ttcctcttta ttggctttt cagtttattc agggagacgc 180
ttccagcctt gtgcagcata ggctgtaatc ctgggagtag ggacaggaaa ggggaatgtg 240
ttgagagtc ccaaggccac cctcaggctt agctcgag 278

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&lt;210&gt; 1362

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1362

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gaattcgagg ccgcgtcgac ccatgatggg gatggcttca tttctccaa ggaatacaat 60
gtataccaac acgatgaact atagcatatt tgtatttcta cttttttttt tagctattta 120
ctgtacttta tgtataaaac aaagtcactt ttctccaagt tgtatttgct atttttccc 180
tatgagaaga tatttttgatc tccccaatga actcgag 217

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&lt;210&gt; 1363

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1363

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gaattcgagg ccgcgtcgac aatttcactt ttacctgcac acagactgct ccgagaaaat 60
gattaattct tgatccaggc tcttctattt gcacacaacc tggatcagat tctctctgca 120
gttgcctcagg agccacatgc gattttctga gcattgtcac tgggtggacag ccagccttcc 180
ctcctgcaga ggctacaccg cctccccaca ggcttggtgc agaccagagc tgtcacaggc 240
acttgtgagt gtggagtgtc cagagagttag aggttatctc gag 283

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&lt;210&gt; 1364

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1364

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gaattcgagg ccgcgtcgac ccattcttcc gtattgggtg ggggtctctg tttctcatcc 60
tagctttttc ctggaaagcc cgttagaagg ttgggaaag aggggaaagt tctcagaact 120
gttggctgct cccacccgc cctccgcctc ccccgaggt tatgtcagca gctctgagac 180
aqcagatcca caggccctcg ag 202

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&lt;210&gt; 1365

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1365

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gaattcgagg ccgcgtcgac attttctatg actctggggt gtgtctactg cagctatgga 60
agtgtgggac ttttccggga ggcttatgct gccattgaga cttatcacca gacccacca 120
cccaccttct ccttctgaga aaggatgact cacaagagtc ttctctacct ctggcttctg 180
tgcagttctg tggcacttgc cctgggtgac cttaactgtat ggcattgctgt tctcatcagt 240
cgagggtgaga ctagcatcga aaggcacaca ctcgag 276

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&lt;210&gt; 1366

&lt;211&gt; 365

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1366

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gaattcgagg ccgcgtcgac agattggatt gctggcaaa gacagaatgc ctgtatatga 60
tgtaaatgta tcaaaaaaaa aaagctgtca catatttctt aaatttttcc ctgttaaagt 120

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cacaaaaata gtttttaaag gaaaaagtac agtattcttt taataaaactg gctcacagtc 180  
 tggtaggtct acaaccccat agcacacag gtttatagag atgtatatag aattatagtc 240  
 cttatttttt tcttttgcgt gaaacctttt ataacagatt aacaatcaac tgcataaata 300  
 ttattaatat tttaaaaaga gtttaagtgt attttgataa ttcacaaact atcatgcacc 360  
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<210> 1367

<211> 291

<212> DNA

<213> Homo sapiens

<400> 1367

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 cccctgacag tagcaatgct gatttgccgg ctggtacttt tggetgatcc aggacctgta 180  
 aacttcattg ttccgctttt tgtggtgatt gtgatgtttt cctggcttat agttgcctcc 240  
 acagctttcc ttgctgatag ccagcctcca aaccgcaggg ttctccctat a 291

<210> 1368

<211> 242

<212> DNA

<213> Homo sapiens

<400> 1368

gaattcgcgg ccgcgtcgac tgcaagatac agaggataag aggaaggaaa agaggagca 60  
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 gcggcgagaa tggcagaagc tggcccaagg tccagagctg gctgaagatg atgctaattc 180  
 cttacataag catattgaag ttgctaattg ccagcctct cattttgaaa caagacctcg 240  
 ag 242

<210> 1369

<211> 212

<212> DNA

<213> Homo sapiens

<400> 1369

gaattcgcgg ccgcgtcgac accacctctt tcagcaaccc aaccacctca tcttgagaa 60  
 ggagaaggaa ctgcaagcca ccaagtcttc atttttcagg gtttgtaate tttccaaagt 120  
 tttcttttga aaataggata atgggtggaa ttttcagagt gattacatac ctcaacattt 180  
 ttattaacat acaacaatgg gaaagcctcg ag 212

<210> 1370

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1370

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 ccactgcatt aacatctata caattttaaa aatacttccc cataggatgc ttggtccctt 120  
 cactatctta atcaatgcta catacctatt tttataagtc agcagtacac attttaaagg 180  
 gcatctcgag 190

<210> 1371

<211> 158

<212> DNA

<213> Homo sapiens

<400> 1371

gaattcgcgg ccgcgtcgac ccagccaaag ccacgatgaa gaaagcctat tacctggcat 60  
 gtggatcttg tggctcgacg tctagagatg tgggcattgg agacaaatct gttagctagt 120

gcgggttgga ggaacctgaa aatccacaca cactcgag 158

<210> 1372

<211> 114

<212> DNA

<213> Homo sapiens

<400> 1372

gaattcgcg cgcgctcgac cccgctgtca ctttggacaa tggaaatcta cattttcttt 60  
tccctttttt tttttttgag acagagtctc gccttgtcac ccagggtctt cgag 114

<210> 1373

<211> 193

<212> DNA

<213> Homo sapiens

<400> 1373

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tctgtactac ggaggaacag aatccatgga gatccccacc actgacatcc tggagctgct 120  
gtcagctgcc agcctgttcc agctggatgc cctgcagagg cactgcgaga tccgtgtctc 180  
ccataccctc gag 193

<210> 1374

<211> 204

<212> DNA

<213> Homo sapiens

<400> 1374

gaattcgcg cgcgctcgac caaggatcaa gctcacaagg gatctgttag aggtgtcgca 60  
gtggatggat taaaccagtt gacagttaca actggtagtg aaggattact caaattctgg 120  
aacttttaaaa acaaaatctt aatccattct gtgagcctca gttcatctcc aaatatcatg 180  
ttgttacata gggacttact cgag 204

<210> 1375

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1375

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ggaaqtaata ataccagtat ccttttttct gggcaaacct taatccctca tggcttttagc 120  
attcattgat gttttccaca tgaatcgata cctctatgac gttgccagat cctgtttctt 180  
tatatccgct attcctttctg catctgttag ttggcattct actgtaagga ggtgctttct 240  
attttattca gtgagttgta atccattact tttattattt atttatctta ttttaaatgt 300  
ccattttctc gag 313

<210> 1376

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1376

gaattcgcg cgcgctcgac cagaacaacc ctggaaagta atagatggca acagcaqaa 60  
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aaccatctct ctgcccagaa tctccctcca agttgaagct tcaggagttt gggctctctc 180  
agggtacatt attggtccga taagattgga aaacactcga g 221

<210> 1377

<211> 168

<212> DNA

<213> Homo sapiens

<400> 1377

gaattcgcgg ccgcgtcgac gaaaaggaaa gaaatgaaga gaattcagag acttcacatta 60  
ttattaatac ctatttttatt gattctgttt ctagccctga gtccgcctct aacttgctat 120  
aggatctctg gtaaatcatt tctgttaata agcagctgtc acctcgag 168

<210> 1378

<211> 179

<212> DNA

<213> Homo sapiens

<400> 1378

gaattcgcgg ccgcgtcgac tggatatatt ccagctgtag ttgccagtg ttacttaac 60  
acatctacat tttttctctg tctatttttg tcccttgat aggaaaagct ataattttag 120  
gcaggactat acgtcgattt gttagccatgc ttccttcctt tcccttgctc atcgctcgag 179

<210> 1379

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1379

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gttaaattta ataagggttc tgattttttt ttgtaaccgg agatagtttt tacaagttaa 180  
ataacatttc agctaaataa aacatcgcta aataattgat atttgatgaa aatctgctcc 240  
tgccctcgag 249

<210> 1380

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1380

gaattcgcgg ccgcgtcgac ttctagacct acccccagtc cgcagggaacg ttagaaaagg 60  
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catttagtaa aaatgcaaaa tgttttgcca cctttaaaaa catctaaact tgtttcgctt 180  
tagttcttgc aatgccacc atacacaaaa gtatttaaatt atttctctgt gcattgctac 240  
tacttgcttc gag 253

<210> 1381

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1381

gaattcgcgg ccgcgtcgac ggtgccaaag actactctca aaactaaagg ctattttccc 60  
tgccattaaag ccacagactt cagtcacatc agtctacagg ttctctctca aacacatcat 120  
gttttttccac atctctctcg ag 142

<210> 1382

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1382

gaattcgcgg ccgcgtcgac aagacaccag atgaaagtac aaaaactaaa gatcagatcc 60  
tgacttcaag aatcaatgca gtgaaaagag acttgctaga gcctctctcc gcagaccaa 120  
tcgggaatgg ccacagaggg acagaaagtg aaatgtcagg caggatcgct aaaaatgccc 180

tgagtcgccag cagcccccagg caccaggatc agctcgag 218

<210> 1383

<211> 191

<212> DNA

<213> Homo sapiens

<400> 1383

gaattcgccg ccgcgtcgac atcaactata ctggaatgct cttgggtgtg ttgcatgtta 60  
cagtgggtatt ggaaattatg cccttgctca gcaactgttc atcaaatcaa tccagtcaga 120  
acaaattaat gctgttgcac ggaccaactt gggagtgtta tacctcaca atgaaaacat 180  
tcagctcga g 191

<210> 1384

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1384

gaattcgccg ccgcgtcgac gaccccagca actacgagta tctgcggcag ctgcaggtec 60  
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gaggcctgtg caacctgtgc ccagacaggg ccaacaagga gcacatcctg caccgaggag 180  
gtgtcccact catcatcaac tgcctatcca gcccagtgga ggagactcga g 231

<210> 1385

<211> 154

<212> DNA

<213> Homo sapiens

<400> 1385

gaattcgccg ccgcgtcgac ataacaataa tacacatacg acaggcaaca agcttggttt 60  
tgatttcgca gacatgcac attggctatt gtttggttgt tttttgtttt ttgtgtttt 120  
ttgggttact ttgaaaatga gccagaacct cgag 154

<210> 1386

<211> 213

<212> DNA

<213> Homo sapiens

<400> 1386

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ttgtcccgcc gcgaagctga gaggcttctg aaataccgag aggccaatgg ccttcccac 180  
atggaatcca actgcttcga ccccagctc gag 213

<210> 1387

<211> 187

<212> DNA

<213> Homo sapiens

<400> 1387

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ttggaatacc ttttaataata taaaaataat gatagttaat cttatacttc tgttggccca 180  
tctcgag 187

<210> 1388

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1388  
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<210> 1389  
 <211> 127  
 <212> DNA  
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<400> 1389  
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 cctcgag 127

<210> 1390  
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 tacaaccat caacaatgac aaattttcac agctgcttgt ttattgcttg ttttatatgt 180  
 ttacatatct caaaaatctgt taaaactgca ggtctcgag 219

<210> 1391  
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 <212> DNA  
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<400> 1391  
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 gactcgag 188

<210> 1392  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 1392  
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 aaagacttta aaagagagaaa atgtctcttc cccacttttc tatatacatg ctgggaaaaa 180  
 aaagacggga aggagctcga g 201

<210> 1393  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 1393  
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 atctctctgt ccgagcgccct ggacatctct cgggacttca ccaactacgg cctgnaagac 180  
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<210> 1394

<211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 1394  
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 ttctcgag 128

<210> 1395  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 1395  
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 ctgtcagtta ccccatagct ccaggatata catgttaact gttctcgaca catgttagaca 180  
 gaaccaatat gatctcgag 199

<210> 1396  
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 <212> DNA  
 <213> Homo sapiens

<400> 1396  
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 aaatataaca gactttgcgg ttctcgag 148

<210> 1397  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 1397  
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 atctggagac aaacctgtgt ctggtcagag ctacctacg ctatgaactg cctggctgta 180  
 catgacctat ccaatttcac agctgaacca aaattactta ccacctacat tagttttaac 240  
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<210> 1398  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 1398  
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 taactcccta cttttccaaa gttaattctg tagtttaatt ttatcatgca gcttttgagg 180  
 agtcttttac actgggaact cgaq 204

<210> 1399  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<400> 1399  
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aggtcagctc ctgctccctg cagcaaccgc ctcgatacac caticgcctcc atctcttctt 180
cctgacgtgc cgcgtccctc agcgaggagg cactccctcc gtgggcgggc cctgagggtc 240
gggcgcgcgc tgcacacctc tcctcgtcgt cctctccctc ggccgcgggt ggccggccgt 300
cttcctcccc agccggctcc atcgtctccg gcgtcccggt cacactcatg ccccgccagg 360
cctaggctgg gcggtgtgga acagccctc gag
393

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&lt;210&gt; 1400

&lt;211&gt; 442

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1400

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gaattcgcgg ccgcgtcgac gctggaggca gcgcctggag gtagccagca gcatgcacaa 60
aaagctttcc ccactcagtc ctcttccatg ccttccctgaa gccactttaa atactgcaca 120
tctccttaaa ccacagggag actgaagatc tctgggattt caaaaggatg tacagcagtg 180
aagatgcctt gactaggatg ttcacagagg cagccagctc cttatccagc atggccgcct 240
tcgtcaggct cctggagaat attcatccag tcttccagag gcatgacgct ccgcctctc 300
ttgacagggt gctggcccag gatcaagatt cccctccagg ccaccgctcc acctggggag 360
gcctcagccg cggccgtagc cgcggtggcc tccataacgg ctgcagtcgt cccgcctag 420
agcctggttt tggagcctcg ag
442

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&lt;210&gt; 1401

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1401

```

gaattcgcgg ccgcgtcgac gaggtatcgg cttattatat gcttcttctc catgggaagt 60
aatatattaa aattcatttt tatctacagt gtggcccttg gtggggaaaa gctccccatt 120
ctgctcttga ggagtgaact ccaatactgg ggcctgccc tgggtgctgc cacaccccag 180
agagaggcga tgcgaagcctg ctcccaggcc tgccttccct cctcgacaaa ctggccatct 240
gttcttgggg aaaaagagca gccttccrct atcttctctg ag
282

```

&lt;210&gt; 1402

&lt;211&gt; 330

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1402

```

gaattcgcgg ccgcgtcgac gcttctctct tttgtgataa tccagtccca agttccttat 60
tattctgaat aaatgaaata gcttctggta gacagtaatt ttctacatga ggagggtgatt 120
cctgcattgag ataatacaca atgtattctg ttctcaagca gtacacgttc tgggcagcag 180
cttctgctat attaactcct gactcatctg gtctcagttt attcaagtca gaaaaaagat 240
gtgtgccttc ttlaaataaa ggtacagaat gaccaggtag cacccttgcct cctcctgact 300
gaagaaaggcg ttggaagcct gcttctcag
330

```

&lt;210&gt; 1403

&lt;211&gt; 266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1403

```

gaattcgcgg ccgcgtcgac ctgggtgctt ctcatctctg ttatctctta ctctgcagtc 60
ctcccacccc tacttgatg ttgttggct tgtttattgc atttcttat cctgcctggt 120
tctcaccctt tttttccgc atgggcgtat caaccttgcct gggtgtggt ggccctccgc 180
ctagctctga ccttggcctg gccttctggc ttccacccag ctcaatcctt gcttttggatg 240
cttcgttggg caagagttcc ctgag
266

```

&lt;210&gt; 1404



<211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 1404  
 gaattcgcgg ccgcgtcgac cctaaacagt ccccatgaac tccgcactca tcaagtggct 60  
 gtacctgcct gattttctcc gggcccccaa cccaccaac ctcatcagcg actttctcct 120  
 gctgctgtgc gcctcccagc agtggcaggt gttctcagct gagcgcacag aggagtggca 180  
 gcgcattggc ggcgtcaaca ccgaccgcct ggagccgtg cggggggagc ccaaccccg 240  
 gcccaacttt ctcgag 256

<210> 1405  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 1405  
 gaattcgcgg ccgcgtcgac ggtggcatct gagaggctgg tctggaactg tggltggggg 60  
 aggtgggagc tgttttaacc gtgtgcccc tctctgtgc cggcgtgggc atccccggg 120  
 qcagtggaa cggggcgctc ctccagcttc cgagtcagc cagcctgggc gggggggcc 180  
 gccccgaga cacccgagga gtccgttctt cctcggttac gtggactgtg gagctggtct 240  
 cttgtggctc agcgcgtgc ggaggtaac gag 273

<210> 1406  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 1406  
 gaattcgcgg ccgcgtcgac agagccgtct tctttctcc aacagttgcc tttccatgtt 60  
 ccaacaaatg aaactgttta ccattctcca tgggccttgc cctctctcac ttttgggctt 120  
 ttgcacaagt tatttctct gttaaacacl tcttccaat ctacctaat ttgtttccc 180  
 ctgggggctc ccacagcacc cagtacgcct agctcaaagc actgtcatc cttctgtgat 240  
 ggctctctca gtagaccatg agttctctga g 271

<210> 1407  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens

<400> 1407  
 gaattcgcgg ccgcgtcgac aagtgcacga tcttttaggg gctccaagag ttcattctgt 60  
 ccacacagaa ggacggctgc agcatgaat gccatttctg tcaccgttcc atcaaggttg 120  
 ctgtcactag gcccgcctt caacaatggc acagaattgt ccacgagcga tgttgcaaaa 180  
 cggctgatat caggaggtga aaggatcttg cattcgccaa tgaatttgc caccagctca 240  
 cattgctctg gcgtggggtg gaggtctgca ttgtgggac tgtacaaaat agccacctct 300  
 ctaaacagtg ttaacaggaa gtaggctgac tgcctggctt ggggggtctt gcaggcttt 360  
 agagcagtc taaagccca gggcttgac tcgag 395

<210> 1408  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 1408  
 gaattcgcgg ccgcgtcgac ccagatgttg ctgctgctgc tactggcgcc actcttctct 60  
 cgcctccggc gcgcggggcg ggtgcagacc cccaacgcca cctcagaagg ttgccagatc 120  
 atacaccgc cctgggaagg ggcctacagg taccggggcc tgactcgga ccagggtgaaq 180  
 gctatcauct tcttgccagt ggactatgag attgagtatg ttgtccgggg qagagcggaq 240  
 gtgggtgggc ccaaggtccg caagtgcctg qccaagggt cctggacaga tatggacaca 300

ctcgag

306

&lt;210&gt; 1409

&lt;211&gt; 368

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1409

```

gaattcgcg cgcgctcgac gccatgcacc gtctaccgct gctgctcctg ctgggcttgc 60
tgctcgcagg ctccgctcgcc cctgcgcgcc tcgtcccgaa gcgcctttcc caacttggtg 120
gcttctcctg ggataactgt gatgaaggaa aggaccctgc aqtgatcaaa agcctcaccg 180
tccaaacctga ccccatctgt gtccctggag atgtagtcgt cagccttgag ggcaagacca 240
gccttccctt cactgctcct cagaagggtg agctcaccgt ggagaaggaa gtggctggct 300
tctgggtcaa gattccttgt gtagaacagc taggcagctg tagctacgag aacatctgtg 360
acctcgag                                     368

```

&lt;210&gt; 1410

&lt;211&gt; 340

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1410

```

gaattcgcg cgcgctcgac ggcattgggg gacagaggag gtgggacctg gcagaccac 60
agctcccaag ctgggggtccc ggaggcagag tgacaatgca tggtctgtgt ggagccaggc 120
aggcgtgac gtggcagagc tgcacagcagg ggccaagag actgcagcag gtgggtgctc 180
acagtggatc tgagggtatg gcgtgcgtgg cagggccttg gccatggccc ctgaccaacc 240
cctgtgcacc aaacaccaca ctgagctcag aatccgggca gagaggggaa cactggtaca 300
gtgaggccaa ggcacacgca gccgggcctg cagactcgag                                     340

```

&lt;210&gt; 1411

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1411

```

gaattcgcg cgcgctcgac taaaccgtcg atgaattctc ccaccagca gctgaaggga 60
gaaagacgag gaggcaggga gcagacgagg aggtggggag caggcagccc gggcctcaga 120
ggacacatgg ccttcccccg ctggcaccoc cacatcaggg ccaccagggg actgctcaca 180
cccaggggtt gccgcctctg gacctggctg tccctgggtc tgetgacctc agdagtgacc 240
tgggcttaca gaggtactgg caaggaggga ctcgag                                     276

```

&lt;210&gt; 1412

&lt;211&gt; 281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1412

```

gaattcgcg cgcgctcgac ctcaattgca tcatggatat gacatcacc caccacagct 60
ggctgacctt agtaactgtg ctctgagcct gccctcatctg gacagtgcgc agccgcacc 120
aactggccat gctgtgctcg ccttgcatcc tgetgtatgg gatgacgtg tgetgctac 180
gctacgtatg ggcatggac ctgcgccctg agctgccac caccctgggc accgtcagcc 240
tgcccaagct ggggtggag caccaccgct acccctcga g                                     281

```

&lt;210&gt; 1413

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1413

```

gaattcgcg cgcgctcgac cttaaaccgtc gattgaattc tagacctgac aggttcctgt 60

```

```

gtgtacaccc tgaacctggc actggcggac ctgatgtatg cctgttcaact accctacttt 120
atctataaact acgccagagg ggacacactgg accttggag acctcgcctg cgcctttgta 180
cgcttctctct tctatgccaa tctacatggc agcatcctgt tctcaccctg catttagcttc 240
cagcgctacc tgggcactctg ccaccccttg gcttctctggc acaagcgtgg aggtcgccgt 300
gctgcttggg tagtgtgtgg agtcgtgtgg ctggctgtga cagcccagtg cctgcccacg 360
gcagtctttg ctgccacagg catccagcgc aaccgcactg tgtgtacga cctgagccca 420
cccactctgt ctactcgcta cccactcgag 450

```

&lt;210&gt; 1414

&lt;211&gt; 345

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1414

```

gaattcgcgg ccgcgtcgac cgattgaatt ctagacctgc ctgcacccc caatctcaac 60
cccaaccccc tcatcaacgt gcgcgacccg ctcttccacg cgtgttcttt caagatggct 120
gtcacctatt cgcggctctt ccgcgccgcc ttccgccttc tcttcgagtt cttcgtgctg 180
ctcaaggccc tgtttgtgct ctccgtctct gccacatcc acatcgtctt ctcccgtctg 240
cccataaact gccctggagca tttctgtgac agcggcggcc gcgggagctt cccgggcctg 300
gccgtggaac caggcagcaa cctggacatg caagatgagc tcgag 345

```

&lt;210&gt; 1415

&lt;211&gt; 355

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1415

```

gaattcgcgg ccgcgtcgac acttttttct ctttctgtat cctgttcaag aaatagtgtt 60
ctactccaaag gtcattgcaga tgttttttct taaatgcttt attgtcttgt cttttatttt 120
ttatatctat ggtctatttg gtatggcttc gtgtgtgtgg tgtgaggtag ggattgagat 180
cttttttttt ccattgggat atctgattga cccagcatca ttttttaaaa gatgcctttc 240
ctcattgcac tcgggcgcct cctgtgtgct ttgacaggg atgacaggga tgaggatgat 300
aaagaatagg catagcgtgt ctttctcttg tgagacacag ggaactccaa tcgag 355

```

&lt;210&gt; 1416

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1416

```

gaattcgcgg ccgcgtcgac aactcggcga acaactgagg gaaccaaacc agagacgcgc 60
tgaacagaga gaatcaggtt caaagcaagt ggaagtgggc agagattcca ccaggactgg 120
tgcaaggcgc agagccagcc agatttgaga agaaggcaaa aagatgcttg ggagcagagc 180
tgtaatgctg ctgttcgtgc tgccttggac agctcagggc agagctgtgc ctgggggcag 240
cagccctgcc tggactcagt gccagcagct ttcaacagaag ccttgccac tcgacctggag 300
tgcacatcca ctagtgggac acatggatct aagataagag qqagatgaag agactacaaa 360
tgatgttccc catatccagt gtggagatgg ctgtgacccc ccagaactcg ag 412

```

&lt;210&gt; 1417

&lt;211&gt; 110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1417

```

gaattcggcc aaagaggcca tttaaaaagg gtttaagagt taaaaatggg ttgtgcacctg 60
taaacactgga gctattttat cttttaacca cagtttaagg gagtctcgag 110

```

&lt;210&gt; 1418

&lt;211&gt; 105

&lt;212&gt; DNA

<213> Homo sapiens

<400> 1418

gaattcggcc aaagaggcca ttcaaaaaaa cgtgagaagt atttttgtac cctgtgtaac 60  
 aaaatattta tgcatacataa aggatttttc atatgcgtac tcgag 105

<210> 1419

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1419

gaattcggcc aaagaggcca ttcaaaagacc tgccttgaga ggtctcgagg caggtctaga 60  
 attcaatcgc ctcaagaaggc caaagaggcc attcgccttc gag 103

<210> 1420

<211> 105

<212> DNA

<213> Homo sapiens

<400> 1420

gaattcggcc aaagaggcca ttcaaaaatt gactgtttat aaagaaagtt gctttatttc 60  
 tttaaacatc ttcaaaaagat gatccttttc tgtcacattc tcgag 105

<210> 1421

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1421

gaattcggcc aaagaggcca ttcaaaaatg tatggaaatt caactaatte ttggtgctgt 60  
 tattctatcc ttcaaatcca ctgcataagt tttttagttc cagtaactga g 111

<210> 1422

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1422

gaattcggcc aaagaggcca ttcaaaaaaa agattcagca aattgcttaa aatcgaggta 60  
 actagcaagc atatataaag ggatacatga ctgggctttc gcttagtttc aaagccgtac 120  
 tcgag 125

<210> 1423

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1423

gaattcggcc aaagaggcca ttcaaaaatg ttgaattcag aagataagca ggtaaaaatt 60  
 atcacaagat tgtgtggttaa tgagagtgaa ggggtcttc gag 103

<210> 1424

<211> 126

<212> DNA

<213> Homo sapiens

<400> 1424

gaattcggcc aaagaggcca ttcaaaaatg aaatgcattt ctatgttgaa cttaattgcc 60  
 acttggtttg aatattattt ccttaguatt ttgggattag aggagagagg aaggagagaa 120

ctcagag 126

<210> 1425  
 <211> 141  
 <212> DNA  
 <213> Homo sapiens

<400> 1425  
 gaattcggcc aaagaggcca ttcaaagatt gtaaatagct tacaatttac aaataataaa 60  
 tatacaatgc tgtttatcat aaaaatccac ttageccaatt ggttcttaca aaatgttttt 120  
 gttaatattt gcgaactcga g 141

<210> 1426  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 1426  
 gaattcggcc aaagaggcca ttcaaaaaca ggaatttgag cacaagatga gaaaatgtgt 60  
 tggcccttta gcgctggtgg gctggatggc ggccacagca caccggggca cctcattccg 120  
 caggagctc gag 133

<210> 1427  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 1427  
 gaattcggcc aaagaggcca ttcaaagtca gatgaaaac tttttattct caaaattgtt 60  
 tttcagttcg gtaaatattt tgagtgtgta tgcacgcggc ctcagag 106

<210> 1428  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 1428  
 gaattcggcc aaagaggcca ttcaaaaataa ttggaatata cttttcttaa aaaaaaggaa 60  
 cagttagttc tcattctagaa tgaaggttcc atatatgcac tggctcgaq 109

<210> 1429  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 1429  
 gaattcggcc aaagaggcca ttcaaataaa acacagtaag tactcagaaa ctacttgaaq 60  
 agtgcagtta tcagtagaga tgcagaaac atttggtttt ctacgggaata tttttgcctt 120  
 tttttcttca gaatccctcg gtatataatgt gctcactgct aggtcaccag tcataaaaca 180  
 taaactcgaq 190

<210> 1430  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 1430  
 gaattcggcc aaagaggcca ttcaaaaata atgatatatg qctcttactt tgtcttagct 60  
 gttaaactgt ttttagtatt ttgttttaaa atttgcataa ggaaactcga g 111

<210> 1431  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 1431  
 gaattcggcc aaagaggcca ttcaaaaaag agaaggcttc ttccttattg atatcatggt 60  
 atgcattaat tccatttgtt actattgtgc acaggccctc gag 103

<210> 1432  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 1432  
 gaattcggcc aaagaggcca ttcaaaaaag aaagcagctg ggactaatga accttucatt 60  
 agccatattc cattatttca gcttaagtca aatgtcggtc ctcatgaggc aactggcttt 120  
 gacaggagct acgctaatta ccacttacc aaccttaatt tctgggcaaa acctcgag 178

<210> 1433  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 1433  
 gaattcggcc aaagaggcca ttcaaaagtat ggggtttctc actctgcttt tcttctgtg 60  
 gggcttcggg gtgctgtact gttgtccctt catttcgagc aggtatcacc tcgag 115

<210> 1434  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 1434  
 gaattcggcc aaagaggcca ttcaaaaatg cagatattat tctttgttagg cataatgtgt 60  
 ttgtcactga caagcattca tgttcatacc actagtctcg ag 102

<210> 1435  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 1435  
 gaattcggcc aaagaggcca ttcaaaaaaa atagaaagta aatagtctta agaataattct 60  
 ggcataaatt atttttattt agccaataaa atagcctcca aatgtatata tcagttgccc 120  
 tcgag 125

<210> 1436  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<400> 1436  
 gaattcggcc aaagaggcca ttcaaaaaag attgcttaat agaaaatgag tagaacttat 60  
 attcgatcat gttattgagc acatacttat gggcagttct ctag 104

<210> 1437  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 1437  
 gaattcggcc aaagaggcca ttcaaaagga ggtaccaag aaacatcagt atgaaattag 60  
 gaattgttgg ccacctgtat tatctggggg gatcagtcct tgcattatca tggaaacacc 120  
 tcgag 125

<210> 1438  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<400> 1438  
 gaattcggcc aaagaggcca ttcaaaaaaa gcagaatgtt ttcttcagaa ggccaaagag 60  
 gccattcaaa aaaagcagaa tgttttcttc agaaggccaa agaggccatt caaaaaagca 120  
 gaatgttttc ctcaagaaggc caaagaggcc attcaaaaaa gcagaatgtt ttcttcagaa 180  
 ggccaaagag gccattcaaa ctcgag 206

<210> 1439  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<400> 1439  
 gaattcggcc aaagaggcca ttcaaaaaga taaaattaaa aagccagaca tactttctat 60  
 caagctgagt aaagagaaac atgaagtaca aatggatcct cgag 104

<210> 1440  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 1440  
 gaattcggcc aaagaggcca ttcaaacctt cagaaggcca aagaggccat tcaaaccttc 60  
 agaaggccaa agaggccatt caaaccttca gaaaggccaaa gagggccattt aaacttcgag 120

<210> 1441  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

<400> 1441  
 gaattcggcc aaagaggcca ttcaaaaaca tattttaagc caagttttag gtgtattttt 60  
 tgaattcttg ttataaaccc aatttttaag ggcatgtat gccagcgtt ttaactcgag 119

<210> 1442  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 1442  
 gaattcggcc aaagaggcca ttcaaaagta ttctgaactt agctcatcaa aqgcataaa 60  
 taattctgtaa acatgtttta taaaaaaa atcaactaaag ctgacccaa agagccactc 120  
 gag 123

<210> 1443  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 1443  
 gaattcggcc aaagaggcca ttcaaaagatt tataatgagc ttctgtttta cgtttttgag 60

cctgcttccct gcatgcataa aattaataatc ccagccctct tccaaagaac tcgag 115

<210> 1444

<211> 128

<212> DNA

<213> Homo sapiens

<400> 1444

gaattcggcc aaagaggcca ttcaaaccat tcaaacctca gaaggccaaa gaggcattc 60  
aaaccattca aacctcagaa ggccaaagag gccattcaaa aaaaagtaaa acttgctgct 120  
gactcgag 128

<210> 1445

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1445

gaattcggcc aaagaggcca ttcaaacaaa ttigattgta cttataagaa caatacattg 60  
tttttataat gttaatatct tgttttgcct ttataattcc cacactcgag 110

<210> 1446

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1446

gaattcggcc aaagaggcca ttcaaaagac ctgcattcta gctgttctga caactgaccg 60  
aacgtctagc accacactct cactaagaat ttcactgatg aggcggtggt ttctcgag 118

<210> 1447

<211> 121

<212> DNA

<213> Homo sapiens

<400> 1447

gaattcggcc aaagaggcca ttcaaaaagg agttgtgtgt gtgttttgcg tacaacttta 60  
caatttcata gttgaaagct gttacaaaat gaaagttttg tgtatggtag gaattctcga 120  
g 121

<210> 1448

<211> 152

<212> DNA

<213> Homo sapiens

<400> 1448

gaattcggcc aaagaggcca ttcaaaaatt aactaggcca gctgacgggt tttttaagct 60  
gattagggaa acagtatata agaacttaet taactcataa taaaactaaa attcaacagg 120  
ggagagttat gatctttctg ctcgctctcg ag 152

<210> 1449

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1449

gaattcggcc aaagaggcca ttcaaaaaaa atgaggattg ccttccttct atgcgctttt 60  
taccttgact acctgaattg caagggatct ttatatattc atatgttaca aaqtcagcaa 120  
cgcttcgag 129



<210> 1450  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 1450  
 gaattcggcc aaagaggcca ttcaaaaaag agtaggcat aagggaagat tgtcaatatt 60  
 ttgtggttaag aaaagctaca gtcatttttt ctttgcactt tggatgctga aatttttccc 120  
 atggatccctc gag 133

<210> 1451  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 1451  
 gaattcggcc aaagaggcca ttcaaaaatt acgcattttc tttatcccca gaatagacat 60  
 acataaaaaat aatgcatact aagtctctgg caattctcga g 101

<210> 1452  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 1452  
 gaattcggcc aaagaggcca ttcaaaaagta taaaacaagc aaagaaggga gtgtaatggg 60  
 agttacagta tcccggcttg caatgtgtgc tcactgccaa gctctgtcgc aggcctgcaa 120  
 ttattctgaa ggggcgctcg ag 142

<210> 1453  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 1453  
 gaattcggcc aaagaggcca ttcaaacata aacataagca taaacataag aaacacaaaa 60  
 gaaaagaggt tattgatgct cctgataaag aggggtactcg ag 102

<210> 1454  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 1454  
 gaattcggcc aaagaggcca ttcaaacata atgtcagaat taattttaaac aaattataat 60  
 taatgtaata tgaatttttagg aaagatgaaa caatttatga gagcctctga g 111

<210> 1455  
 <211> 132  
 <212> DNA  
 <213> Homo sapiens

<400> 1455  
 gaattcggcc aaagaggcca ttcaaaaaata aaattattga acagcttagc cctcaagctg 60  
 ccaccagcag agacatcaac aggaaactag attctgtaaa acgacagaag tataataaag 120  
 aacatccctcg ag 132

<210> 1456  
 <211> 136  
 <212> DNA

<213> Homo sapiens

<400> 1456

gaattcggcc aaagaggcca ttcaaaaaat aaagtgactg aactgtcaga tcaacaagat 60  
caagctatc q aaactctctat tttgaattct aaagaccatt tacaagtaga aaatgatgct 120  
taccttgatt ctcgag 136

<210> 1457

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1457

gaattcggcc aaagaggcca ttcaaaaaata tgatcgaaga aataaaganc caagcctcta 60  
ccccctgttc tggaaactct caggcttcac ccattggtct ctgag 104

<210> 1458

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1458

gaattcggcc aaagaggcca ttcaaaaaat gaaaaggaaa atactttaac gttgaaagag 60  
ttggtcagta ctgaaagat gaagatgatg atcttgtgtc acccctctga g 111

<210> 1459

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1459

gaattcggcc aaagaggcca ttcaaaaaag gaagaaaaaa acagatttac accacagata 60  
gtgatgagat ttacatatatt gttaatcgtat ttgtctctca ggcataaggat qaaaaaccaa 120  
caactcgag 129

<210> 1460

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1460

gaattcggcc aaagaggcca ttcaaaaaaa aagaaagtta tttctttgtc ttaaagaatt 60  
tttaaaaaat tagtcatgag acttatctat cttccaggg aactctctga g 111

<210> 1461

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1461

gaattcggcc aaagaggcca ttcaaaaacta aaataaaaca tatgtgtcta tggttttcaa 60  
tggagtagt ctctcttact ttccctcttc cctctcttg tctctctaac cagcttagan 120  
gacccaaaga gagcttaggg atagacacca gaatactctg tggaggtctc gag 173

<210> 1462

<211> 141

<212> DNA

<213> Homo sapiens

<400> 1462

gaattcggcc aaagaggcca ttcaaaaatc aagagtttga gagcgccgg ctgaatgaga 60  
 cactttcctc attttctgat gacataaga ttacaattag attggggaga gcacttaaaa 120  
 aaggagaata cagagctega g 141

<210> 1463  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 1463  
 gaattcggcc aaagaggcca ttctgaggcg gttggtgggt caatggtgaa gatacagtct 60  
 tttcttaaa cctttctctt gctgaactcc tctggtggaa ctgtccatgg caggctcctc 120  
 gag 123

<210> 1464  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 1464  
 gaattcggcc aaagaggcca ttcaaatatc tatcggttg ttttaatggt atatatggga 60  
 ttgtattcga tgttacaaaa ccaatatctt atggagtcctc tcgag 105

<210> 1465  
 <211> 117  
 <212> DNA  
 <213> Homo sapiens

<400> 1465  
 gaattcggcc aaagaggcca ttcaaagtat atcacacatt tagaagtaca aattaatcca 60  
 ttttgcttta tgaattcatt ttacattat ataactctc ttacattctg tctcgag 117

<210> 1466  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 1466  
 gaattcggcc aaagaggcca ttcaaagaat tgaaacattt taatttcaaa ttcaaataga 60  
 acatttaaaa tgatttcatt attattaccc atactcctcg ag 102

<210> 1467  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 1467  
 gaattcggcc aaagaggcca ttcaaaaaaa ttttgcctca tacttatggg taatatcttt 60  
 ttcataaat atttatcaaa gtatgaagtt gagtactttg ctgtaccac tcttcgag 118

<210> 1468  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 1468  
 gaattcggcc aaagaggcca ttcaaaaatc ataatatag aaacagtatg aatacagctg 60  
 acattacat ttaaatttat attatgaaag caaatcctct gctcgag 107

<210> 1469

<211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 1469  
 gaattcgcgg ccgcgtcgac ccaaccccag gttatcttcc cctttgtctt ccagccccc 60  
 agaaacagct acgactcaac ctacccaatc atttcacatc cagattgcc a ctgtctctag 120  
 ttcaggctctc ttgggactgg cactcagaaa tctcataata aatcctcttg aggtctctca 180  
 tacactcgtc ttcttccaat cttctttccc tcaaaatctc atattttggg tccacttcac 240  
 ccaccgtcat tctccatata actcccagga gttaggcaaa aagcccccct cgttcttccg 300  
 tatgttaaac ttagaataac tctgttccct gctctgcgtt tctatctttt gtttctctcc 360  
 atttactagt agcttaacac ttcttaacag tgttcttatt attgatacgt atctatctct 420  
 tccaaaagctc gag 433

<210> 1470  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 1470  
 gaattcgcgg ccgcgtcgac cctgtgtgtt ttctgttact tctatgccac aaagtccttg 60  
 caaacagaaa ctttagatcc actgcctcct ttactcctcc tctctataga gctgtgaagc 120  
 aaatgtcctg catcatcccc attgcacaca cgtctgag 158

<210> 1471  
 <211> 270  
 <212> DNA  
 <213> Homo sapiens

<400> 1471  
 gaattcgcgg ccgcgtcgac ctaaaattct gatttgcatt gtggttttta ggggttcagat 60  
 tagcaagtgg gattgttttt tagcaattaa atccctcact tcargctctg ttgcacaaaa 120  
 tctaaagagg cactggtatg tctaaagagg cactggtatt gtttattacc tctagtgtga 180  
 tttagctttg ggattgtaga gaaaaataat tcccttttgg gggatggggg aagaatccca 240  
 tgccagtatt catcatatgg gaccctcgag 270

<210> 1472  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<400> 1472  
 gaattcgcgg ccgcgtcgac ctaattatgt aattatgtaa gctagctttt catgtttatg 60  
 tatgtatggt gtccctctgt gttattttcc tccctcttgg tttttgaatt agtgttaaat 120  
 aqaatactgt ctatgattctt aaaatatctt catttccatc atgggtataa caaatttgc 180  
 gcatgcccac actgacaaca gcaatcactg agggacagg ttttgaatct tctttttgtg 240  
 ttatgaagtt tatcgtctct acctgcttga gatctttgtt attttggggg ttgggggggtg 300  
 ctttttgttt tgttttttgc aaatgtaaca tgaagcaga tctgcagct tctctcag 359

<210> 1473  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 1473  
 gaattcgcgg ccgcgtcgac gaaatcatgg actaccagag cagacttaag aatgctgggtg 60  
 aagagtgcac gagccacagg gccagcttg agggacaagg ccggcagctg caggctgctg 120  
 aggaagctgt ggagaagctg aagccacccc aagcagacat gagaqagaag cttagctgca 180  
 cttagcaucca tcttgcagag tgcaggcgg ccatgctgag gaaggacaag gagggggctg 240  
 cctgtgctga aqacttagaa aggaccaga aggaactcga aaaagccaca acaaaaatcc 300

aagagtatta caacaaactc tgcaggagg tgacaaatcg tgagaggaaat gaccagaaga 360  
 tgcttgctga cctggatgac ctcaacagaa ccaagaagta tctcgag 407

<210> 1474

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1474

gaattcgcg cgcgctcgac attgaattct catgcctcac ctctcctcag tagctgggat 60  
 tacaggcgtg caccaccaca ccttgctaatt ttttgatatt ttttagtaga gacggagttt 120  
 tgcgctgttg gccaggctgg tctcaaaactc ctggcatcaa gtaatctgcc tgcctcagct 180  
 tcccaaagtg ctgggattac aggcataagc caccgtgccc ggctattttt cggcattttt 240  
 ataccctgtt gtatttaggc tctttttgta gacctcctat ttctagatct tttaaaaatc 300  
 caatcccaga gtttggtgtc tttttttctc tctctcattt aatagggtga attttctttt 360  
 cctagtttga aatgtacaca tttcattgtg tttcagttaa aattttgggc attatcccaa 420  
 accaatctat gcttacattt atacgttttg tttcttttat tgttggtata agtatcttta 480  
 tctactcac tgccttcaac ataaatacct tgacactcga g 521

<210> 1475

<211> 381

<212> DNA

<213> Homo sapiens

<400> 1475

gaattcgcg cgcgctcgac agaagttgct ggtcttgaca tgaatatcag ccaatttcta 60  
 aaaagccttg gccttggaaca ccttcgggat atctttgaaa cagaacagat tacactagat 120  
 gtgttggtcg atatgggtca tgaagagttg aaagaaatag gcatcaatgc atatgggcac 180  
 cgcacaaatc taatcaaagg agtagaaaga ctcttaggtg gacaacaagg caccaatcct 240  
 tatttgactt ttcactgtgt taatcaggga acgattttgc tggatcttgc tccagaagat 300  
 aaaqaatata agtcagtggg agaagagatg caaagtacta ttcgagaaca caagatggg 360  
 ggtaatgctg gcggtctcga g 381

<210> 1476

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1476

gaattcgcg cgcgctcgac cttaggctag gttctgtcaa gttaccaaca gaagctactg 60  
 attgtaaaat tccaattaca ctcttatcct gtcaagtaaa atggtaggca gtctcgag 118

<210> 1477

<211> 179

<212> DNA

<213> Homo sapiens

<400> 1477

gaattcgcg cgcgctcgac tggaaatcata ggaatgggag gatggtactc atacactgtg 60  
 tctgcctctg ggtgggggac acaggactgq ttcagtcttg ctctggatgg agtcagtcaq 120  
 ttgcacagaat gcagaagtcg qaataaacatc tcaaaagacc agtcttgcca gagctcgag 179

<210> 1478

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1478

gaattcgcg cgcgctcgac taggagtgaa tatgtgggtc ccttttgtaa tgcacaatag 60  
 aattgtcttc ccaatttttt ttttttttgc ctgtcacttc atactctatt ctatttattt 120

```

ccctttctag ttagtaaggc atgttgggtg aactccccct ttttggcaaa aaggcattta 180
cctttctctt cccattaccg actaccagca caccaatasa gattttcccc ctccgttcagg 240
gaggccatga ctggaggagg gggttaaggag cctcttcgag 279

```

<210> 1479  
 <211> 144  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1479
gaattcgcgg ccgcgtcgac gtcttgggtc agattataaa aattacaatt gattacataa 60
aaacttaatta accttttctt tctctctcat agatactctt catatcaatt tatgtatttc 120
caagtactat accattact cgag 144

```

<210> 1480  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1480
gaattcgcgg ccgcgtcgac gccagcatgg tcaacttctg gcgagagctc tcttcttggc 60
atgtaaatgc ccacttctct atgtcttctc aggaaggaaa ccaacaaata ggtctctctc 120
tctctctctc tttctctctc ctctctctct ctctttctct ctctctctct accatctctc 180
tcttctctct cctctctctc gccctcgag 209

```

<210> 1481  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1481
gaattcggcc aaagaggcct aagtgccttt agtagaagct attgagaaaa gactgacag 60
ccctgaactg gcaaatatga tccaaataga tagttcagag ttcagcgatc acagggctca 120
gattgaaaag caagaaggga ttgaagtctg tgcattacaa aatgaatttc taggaaagga 180
tatgttaatt gcttgtaatc agactgctga aatgagttgt aataaagtag aagagagtga 240
gagattatct caagtgtaaa atcagctctgc acaagaaaag gtaaaagtga gagtttctga 300
tggggagcag gcaaaaaaga gcagggaagt tctcttaaag gaatttgggt gcaaggatca 360
acgtaaagcc agaattgtct cagatgctaa agaatttctc agtatcataa atcttcataa 420
tcttaaaggt aaatccttgg gccaaagtgc attgacacac ccttactctg aatgtgattt 480
taaacttaaa gaagtggcta gaaataacat gggaaatgat acaaacctcag ag 532

```

<210> 1482  
 <211> 585  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1482
gaattcggcc aaagaggcct agatcagtag cattaacaaa agttgcttta aaagccatta 60
tgtataaacaa gacttgaaaa tgaagtgggg aattcttagc acactgtctg agcagcagtg 120
ggaaccatct tcttttcccc ttgtaactcc cagtgggatg ccttaccctg cgcctctagg 180
accgggactg accgtgtaca aaactttacg tgccaaaatt ctccagtgaat ttagctttct 240
ccctctttct gactgtgtaa tttttgttca tcatcttttg ctgtgatgtt acatagctag 300
atctgtatgt agtttttaag tcaactataa caaaatgtgt ttggtaagcag attgtccaga 360
aagcattttta aatgaagagg tataaacctt taaggggcaa aattctgtat attagattac 420
tcttaaacga aaaaccagct gccgtcttta tgtacacata ttacatacga gtaggcagca 480
gacttttaaaa ataaaaaaa cctagggcag ttgatgttgc aaaatgtctg ataaaactga 540
aacctgttca ttcagtgcga ttgtagtcca catgaagctc tcgag 585

```

<210> 1483  
 <211> 418

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1483

```

gaattcggcc aaagaggcct aatttttttt gaggatttgt tttacttggg tgtcacattc 60
ataattttta atcctttaag gagaaaaatg tgcttattaa atttttggtc tctgaatgct 120
accaagtctt agtcatacag aacaatatgc tgcaactgtt tacaattcct aaaactgtaa 180
actcctcaag gacttggagg ctaaacatga agaataataa attaagttga caatcactgt 240
ctcctgcata acactgacct cacttctctt gagaaatgtg catctgctaa tccatattta 300
ttacttttta ggggtgggtg aaccataaaa taagatactg ttctttgaaat gcccttagct 360
qgtgttatct accagtaatg ctgggagaaa gaatccaaaa ttaccccccac tactcgag 418

```

&lt;210&gt; 1484

&lt;211&gt; 572

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1484

```

gaattcggcc aaagaggcct aggtcttcac tttttgaatg catctctgta ggctttgtga 60
tttaggggaag gatctgttaa actttcaagt tcagagaaaa gtttctttaa cttcccaggg 120
attttctccc aggtctgcga cagtcgactg acagaagcag tgttgagacc catcacaaatg 180
gcaaagaaag aattcaggtt tctctgggct ttgcagttag ccgcaatttt gatgaatttt 240
ttcaccagct gcactgcctt gccagctgg ctgcagagca gaatctccgt ggcaccccaa 300
agctggacct catcgcatct ctggagcaga aggtcgagat ttgcagtgtg ttccccactt 360
ccctgtctgc tgaacgtgaa gtagatcagc tcttgctcgt gaattgaatt gaatagactc 420
caatcaaaat tcattaatte cagagcaaga tcccaagtgt tcattcccaa aatctctcctc 480
gacctttgct gtgattcctc attttctgca aatgggttca aagtgtccgc caggctcttc 540
cggtagacat atattcgacc agatgcctcg ag 572

```

&lt;210&gt; 1485

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1485

```

gaattcggcc aaagaggcct acttcttccg ggcccacgga aaaggcgggc gtagtgtctt 60
tgcaccgctc cccaggggcc cccatggagc ccttctgccc tttaggtcca gtgtggcccc 120
tggcccttgc tgaacctgtt ttgccatatt tcccttggag gcctcgatct ccgcggtcac 180
ccttctcccc ttccaagata gtgatgttga tctggggcac ggcggctgcc gggtagatgg 240
aggtaccagg gtcacagcag cgcgaagcac gggaaacagg gagccccctg tccctgactgg 300
gcctgtattt ttcattgtgt tcttcagccc tctcgqcatg gtccggaggg gacggcagct 360
cttcagtcct cttccactcc tgcgtgtccc cctggacatg gggcacgcga ctcaggacca 420
ggccagaggg aaaggcaagg agcaggtcga g 451

```

&lt;210&gt; 1486

&lt;211&gt; 590

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (69)

&lt;400&gt; 1486

```

gaattcggcc aaagaggcct aagcaaatgc aaaaactctt tgagagggta agagggttgg 60
aaqaaagcna ccatgtcatt tcagaagtta gtttgtatat attataataa tcttataact 120
gttcttcagaa tcccttaaca gttgtattta acagaaattg tatattgtaa tttaaaaata 180
ttatataact gtatttgaaa taagaattca gacatctgag gttttatttc atttttcaat 240
agcacatatg gaattttgca aagattttaa ttggcaaggg ccgactaaga gacgttgtaa 300
agtatgtatt attcacattt aatagactta cagggataag gctgtggggg ggtaatccc 360

```

```

gctttttgtg ttttttttgt ttgtttgttt gtttggtttt ggggggtttt cttgccttgg 420
ttgtctggca aggactttgt acattcggga gtttttatga gaaacttaaa tgltatctgg 480
gcttatatct ggctctgtct tttctcttta attgtaaaagt aaaagctata aagcagtatt 540
ttctctgaca aatggcatat gttttccact tctttgcatg cgtcctcgag 590

```

&lt;210&gt; 1487

&lt;211&gt; 596

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1487

```

gaattcggcc aaagaggcct acttttgtct gcctcattct aaaatttaca cagtagacca 60
tttgtcated atgctgtccc acaaatagtt ttttgtttac gatttatgac aggtttatgt 120
tacttctatt tgaatttcta tatttcccat gtgggtttta tgtttaatat taggggagta 180
gagccagtta acatttaggg agttatctgt ttccatcttg aggtggccaa tatggggatg 240
tggaattttt atacaagtta taagtgtttg gcatagtact ttgggtacat tgtggcttca 300
aaagggccag tgtaaaaactg cttccatgtc taagcaaaga aaactgccta catactgggt 360
tgtcctggcg gggaaataaaa gggatcattg gtccagtcga cagggtgtagt aattgtgggt 420
actttaaggt ttggagcact tacaaggctg tggtagaatc ataccccatg gataccacat 480
attaaaccat gtatatctgt ggaatactca atgtgtacac ctttgactac agctgcagaa 540
gtgtctcttt agacaaagtt gtgaccattt ttactctgga taagggtctt ctcgag 596

```

&lt;210&gt; 1488

&lt;211&gt; 503

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1488

```

gaattcggcc aaagaggcct aagcctttct ttctgcagct aagggcagag gctgtgccta 60
gggctatacc accactagca tctgtatttg agactgtttc cttagatggg taagagggtg 120
aaaacaaact tagtatcagg gtgccatgaa gcccatggca tcatttttga aaatatttct 180
agttttgtag ccaaagcaat tggtttttagt aaaatgagac ttcttcagga gtcactcctt 240
tactgtggac ccatttctta gtgggaatgg aagtatatgt atctatcttg tgtattaact 300
tcgactttat ttatacaaga gcagctatag gagtttacia aagaacttta agttatttga 360
ttactataaa ttltggggatc cttagagtgt cttaaatatg gcaagatata gctcatttag 420
aataaaatct cacatccatt atttttaaagg gaatgatttg ggggaaaaac tgggtgaagaa 480
gaaatataaa aaggaccctc gag 503

```

&lt;210&gt; 1489

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1489

```

gaattcggcc ttcattggcct acaaccccaa atattaagcc aagattaaaa aaccaaacag 60
ataagaatgg catattttta tctaaatgac ttaattttgt tctctctctt aatgttatgc 120
tgtgggcaca attcaagcaa cttgacagct atttctcttc agcataatga agaccttqgt 180
ctactcactg ctcaactcca gtgctgctgc tgggaaattg gtagtggttt atctcactct 240
gtccttctta cagttccagt tccactcgag 270

```

&lt;210&gt; 1490

&lt;211&gt; 352

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1490

```

gaattcggcc aaagaggcct acgcctccac tccgcaccca ccccccctgcg cccaggcttc 60
tcccggacac tgcagcctcc tgcgaagaa ccccgcacc ctcttaacca cagccagctt 120
cctcgggttg gcctcagccc agacagccca gcagggtgaca ggaatagtg gggcagtgag 180
ggcagcgttg gcagcatccg caqtgcgggc agcgggcaga gctctgaggg cactaatggc 240

```



catggccttg gctctctgat tggagaacgcc cagccactgc cctctgctgg agaggaccag 300  
gtgctgccag gactccaccc gctgtccctg gcagacaaac cctccactcg ag 352

<210> 1491  
<211> 287  
<212> DNA  
<213> Homo sapiens

<400> 1491  
gaattcggcc aaagaggcct agaagctctc tgtttggaag tggagacaaa gaccaaata 60  
agattctttat tgttgcaact ctataattcc ctcaccctta ttttcaccag gcaaaaatttc 120  
ttcgtttttt ttatagctca gttcagattt cactttattt gtgaaacctt ctcactctgc 180  
cgctagttaa aagaggcctt tctttcattc tcatggtttt gtctattgta aagtactatt 240  
attattgggtc tatgtatctt tcttcaaccc actgtgattg tctcgag 287

<210> 1492  
<211> 275  
<212> DNA  
<213> Homo sapiens

<400> 1492  
gaattcggcg ccgcgtcgac tccctactcc ccaccccga ccccatcca gaaagaagca 60  
ctgttgacac ttcgatgcac attctgaact ccaggctcct tctttgcata catcaagctc 120  
tcactctctt gccggtcttg tggctctgaa acccagagag cagatgcttt gctcagcct 180  
cgtaccacgc caccaccca catgctctct ttgtacctgg gtttcaaccc acaggtcggg 240  
ccctgttaag ccttggctc cccaagcttc tcgag 275

<210> 1493  
<211> 393  
<212> DNA  
<213> Homo sapiens

<400> 1493  
gaattcggcg ccgcgtcgac agctgatcca agttttatgc tgatttttcc aaagatctct 60  
ccctcctttt cctccataa ctcacaggta qggaaggggg cggcattagg atggtgttac 120  
tgtattggga ttttatgttg ttctgtctgc ttcagcacag gtagtataag gttatattac 180  
tgtagaacca cagtgcctat cttgccagca gtgcccgccc ccacctcaa agctgagcag 240  
gttgagcctt tgcttagtcg gggccagacc cctcagatgg ggatatccct gggggagccc 300  
gggtgtgaac cagaagaggc ttctgtgtgc ttctgtctta ggccaccact cctccagccc 360  
tttgcccgca catacatgcc ccacaaactc gag 393

<210> 1494  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 1494  
gaattcggcg ccgcgtcgac aagatacaat aaaacatact taactgtttt aaaaagtgtg 60  
tcataaggagc ttttgaacat acaaatagaa tcatatttca atttcagttt atactgaaca 120  
aaatacagct tttctttgaa ttggtagtac ttcagaatct gagtgtctta acagtcattg 180  
tgttagtaaa tttagtgcc tctgttatgc tgggtattca agatgctaag gatccatcca 240  
gccttgaaca agacaaggcc tagctcgag 269

<210> 1495  
<211> 309  
<212> DNA  
<213> Homo sapiens

<400> 1495  
gaattcggcg ccgcgtcgac gagcacttaa cttcaggcca gttgctgaag aagaggctctg 60

```

aaggtaatat tagtaccccc ccaactactt ccagctggaa acaagagttg ttggggccct 120
tactgagttc ctactttaga gtcaagggct ggccttcccc tgcattctgc tgcattgtacc 180
tcacagggtga gcagataaca tatttctgca gctattccct tatgatttcc tctctattag 240
agagagggtgg gagcctatga cagactgcag agtggttctc ccattcttcc ccacccata 300
gctctcgag 309

```

&lt;210&gt; 1496

&lt;211&gt; 314

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1496

```

gaattcgcgg ccgcgtcgac agccatagaa gaaacttgag tatgcctggc caccttcttg 60
gatctgctgt ctaaaattata tatatatatt actgcaggaa agtatacttc gtaaggagta 120
gtttttattt atttgtttat ttggttctca gtggaacctt gtcaaattcc ataaaagcgg 180
aaaaaaacaa aactcattag agtggtttta attgaatggt tgccttttac atatatttgc 240
tcttcagcat ggttcctaatt ttgaatgcta catgtttaqa aaaattttca gccagggtgcg 300
gtggctcact cgag 314

```

&lt;210&gt; 1497

&lt;211&gt; 303

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1497

```

gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaatt cttagacctgc agcctgggtg 60
gcagagcaag tctccatctc acaaaaaaaa gcaaacaaac aaaaaataaa caaaatcaaa 120
aacagggaaca tgaaaactgc ttttggtctc ttgtgtaata gatttacttt attttttttt 180
ctgtttcttc ttcatttttc tttttttctt tttttatcct ttttttgggg gggggcagaa 240
tctcactcag tcacccactg cctgcagcc tgggtggcag agcaagtctc catctcactc 300
gag 303

```

&lt;210&gt; 1498

&lt;211&gt; 380

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (21) .. (23)

&lt;400&gt; 1498

```

gaattcgcgg ccgcgtcgac nnnagtggtg ggttttttcc ccccaccagg aagtggcagc 60
atcctctcct ctcctctaaa gggactctgc ggaaccttcc acacctcttt ctcaaggagc 120
gggcagggtg gtgtgtggtg cactgacgtg tccagaagca gcactttgac tgcctctggag 180
taggggttga caatttcaag gaatgtttgg atttcttgcg tcttctggat tactctttag 240
ataccgcata gattgcaata taatgtctga tgttcaagat gaacagttag ccttagtaat 300
cataaaatcc attccttgca cagtttgate ttacttgaat tatgttgcga aaatttatct 360
ttgttgttgc agctctcgag 380

```

&lt;210&gt; 1499

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1499

```

gaattcgcgg ccgcgtcgac cttttcttagc cttagagaaa tgatcaccat gttagccta 60
gacgaagaag ttggctagtc ctttctgtga agctaatata atggctatct ccagacaaat 120
ttaaaggaaa tactaaaggt gtttcaaaga ttatctgatt cttttaaaat atatgtctat 180
atcacacgac atgctctctt tttaaggtgt tactttttaa tagagatgaa tcagttttgg 240

```

```

aatctaagct gtttgccaag ctgaagctac aggttgtgaa ataattttta acctttggaa 300
tcatactgcc tactgttact ctaaatagaa atataggggt ttttttaatg tgaatttttg 360
cctatcttta aacatttcaa tgtcagcctt tgtaacctt aaatacactg aattgaatct 420
acaaaagtga accatctcag acctttactg atactacaac ttttgtttct tgatggccaa 480
aatacctaata acctcgag 498

```

<210> 1500

<211> 334

<212> DNA

<213> Homo sapiens

<400> 1500

```

gaattcgcg cgcgctcgac tgaagaagtg aaaatgacaa taatgactct caagaggctg 60
gcgatgtgac atggcaaatg tagaactgac ttaaatgaa caaacctca ctgagcacct 120
ctgatgttga gcacctgctg aatactgagc actgaatggg ggagggggag gggagcacgg 180
ggtagtgcaa cctgggactc ggtctcaggg atatgectac caatagcggg tatcgtaagg 240
catgtaccca aacataacgg atgtaaggca gaaagtgatc ggagaaggaa tgagaaagtg 300
tgcgtgatgt taatgaaaag tctaacagct cgag 334

```

<210> 1501

<211> 220

<212> DNA

<213> Homo sapiens

<400> 1501

```

gaattcgcg cgcgctcgac aattctagcc ctctcagcaa cttaattata aaacaattac 60
ttctaatttc tcacttagtg ttggggaatt ttgcttgcca ttttctaggg aaagaggaaa 120
agcagaggta gtggtagctt tgaaaatgtg gaaccttatg ctattatgta taacttcaact 180
tcaatatggc tttacagaag acacagtcac ccaactcgag 220

```

<210> 1502

<211> 165

<212> DNA

<213> Homo sapiens

<400> 1502

```

gaattcgcg cgcgctcgac gggcagggtat tgaactctta agtacaaaat tattttccca 60
aagaatttta aaatatacta tcccactatc tttttgcac cagcattagt aattatagga 120
ttattgctgg ttgctactct ttctgtctat cctcagtgtc tcgag 165

```

<210> 1503

<211> 614

<212> DNA

<213> Homo sapiens

<400> 1503

```

gaattcgcg cgcgctcgat gtacatatac ataagcatgc acacagacag acataaaaat 60
gataggatca tataagacat tqtatagact gttttatgat agggtaatac acctttcttt 120
tctttttctt ctttgtccag ctcttctgtt ctttatccat atcatactct atccctactc 180
aaggaaacct agcaacatgt ttatagtctc atatgtctca ttatgtctat atgtcaattt 240
catggtatct tatatacagg gtttacacat ttatagttaa cgatctttat atagttrata 300
caatatctgt tttttcttct tctgcaatac aaactgtttt catatccctc aaacacaccc 360
acacccctca cttacacatg tgttatcact gtttgctttt gtaaacctgt gtccaacgta 420
tacacattaa tcatttaagc ataccttggt gaaatcctgc caacttgact actgtgcctc 480
caattttctt ctttttatcc catcataata aacctggcaa taattgatcc aacctatgc 540
acatigatac cacttatgct gtttgcttat ttttactact acaaacatgc tacaacaaaag 600
ttccgggact cgag 614

```

<210> 1504

<211> 329

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1504

```

gaattcgcgg ccgcgtcgac aggttaagtc ttttaatttc cttttcaggt ttgttttgqg 60
atattgtctgg gggcagattg ttaaggcctg ttttagaatc agctaccctt gcattgtaaa 120
tggggctttct aagagcacca gatcgtggtc tcttggtctc cggcaaggca gagctgatga 180
gagaaggtec ttgtcgcag cactgcaggc aggatgggat agtttgggtg tttcttgctg 240
tgtgtgttct tctgtgctgg gtgagggaga cagctgggag ttggccttta tccagtgcct 300
gagagagctg tggaagggat gagctcgag 329

```

&lt;210&gt; 1505

&lt;211&gt; 306

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (23)

&lt;400&gt; 1505

```

gaattcgcgg ccgcgtcgac agngaaatct gcttctctca tgtctcaagc cactgggaat 60
aaattgtgga aagacctgtg ctgtctggct tgtgccttta cacatgctgt tatctctacc 120
tcaaatgctg tcttctctca ctggcttaacc cttgttatcc ttataacag ctgagaagtt 180
gctgtctcaa agacactttc ttggcctgaa ttagaactgc cctctcacgt gctacttcca 240
tcacagatct taccatctat tatattatta catcacaca cacacacaca cacacacaca 300
ctcgag 306

```

&lt;210&gt; 1506

&lt;211&gt; 353

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1506

```

gaattcgcgg ccgcgtcgac ctttttttca cacaggtgat agaaatcctt ctaactcctt 60
gattctttca ctttatctta ctggtctcta catgtcagaa cacagaagtt gtgttttgtt 120
tcgttttgtt ttacagagct gtggtaagta ttggatgggc cattgttttg atgttttoga 180
tgttctgttc tttcttagat ctattcgggg gcatttgggt tgtctccaat ttgttgttac 240
ttcaaaacat ggtatactca atacagtcta ttagggtagg gattttttca gaagaaacta 300
aacagcgtt agaaaaattat ttttttacct taactcaacc agttattctc gag 353

```

&lt;210&gt; 1507

&lt;211&gt; 331

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1507

```

gaattcgcgg ccgcgtcgac ggaaaatgaa gctctttaaag atatgctgta aaacacccac 60
agagttcaca acacctata tcataggtgt tcatgactcc taaaagtctg taagcccaag 120
aagacaagac catatctctt tcttagttta tcatgatgga aqcatgtgtc agatttttaa 180
actagcttta ttgtggttta attgacatac aataagctgt atatatctga agtatatagc 240
ttqataagtt ttqatatgtg tataccaata aactcatgac gacaatcaga taatgaacac 300
atccaagacc ctgagtaaaa gttgacttga g 331

```

&lt;210&gt; 1508

&lt;211&gt; 229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1508

```

gaattcgcgg ccgcgtcgac gaggtccccc tttttcttaa atttctctgt gtgctttctt 60
ccccctgcta ctttttccat ccgttctctt tcaactcttg cctcttttga agtccctaaa 120
gtatcatcca ttttgccctg tatttatggg tctccctcat tcttttctcc tcagtttttc 180
ctttttcttg ctgtcttggg gagcttctgc atgtgacca attctcgag 229

```

```

<210> 1509
<211> 551
<212> DNA
<213> Homo sapiens

```

```

<400> 1509
gaattcgcgg ccgcgtcgac ccaacagatg agtctttttg gtactagata gggaagagtg 60
aatgtcctgt gttgatatag aattgtttta gttatctgtc cctgtcttaa tttctctgca 120
tatttagtgt aattatcttc ttgatctatg ttgtcttagg atgcaagggg gaatttgagc 180
atccttctctg caatcttttc ctctatcag agtctcagaa tccactcttc tatttccatt 240
tgactaaatc ataggcatct aagaggggag cactctcgcc cctactaac tagcagaata 300
agactgacca gtttccaact aatcaattac ttgagttacc atgtccggca gatttctact 360
ttgctgtatc tctcaactct gttgccttgt tcatttccag caccactctg ccagtccagg 420
ctttgatccg cacatagctg gactaactgc tcctctacct aatgtggctc attctccata 480
gcactatcag attaatcttc ctaatgtggc acttgacccc tactacttct tgcctaaagc 540
acaacctcga g 551

```

```

<210> 1510
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<400> 1510
gaattcgcgg ccgcgtcgac gcttttttaa aaaatttcag aactgtgtac tgtgatgaaa 60
ctgctgacga atcctcagga attaatgtgc atcaaccac tgcctttgct cacaagttac 120
ttcagctctc tggagtgtct ctcttctggg atgagtttct tgcctcagcc aaatcttccc 180
cagtgtgttc aactgcacca gtggaaactg agccaaagct ctacctagc tggaaaccca 240
aaattattta tgagccacac cccacagctc gag 273

```

```

<210> 1511
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<400> 1511
gaattcgcgg ccgcgtcgac aattatcata ttttccataa agagagcatt gatttcatcc 60
attggcatat tgagatgctt tcttggttga cattggtcac agaattttaa aggaaaaaca 120
acattactgc acattcagga atcagaaata gaagtaaggg tcaggatctt aaagggaatc 180
ttgacaggat atcaggctct ccttttaaaa aattcagaca tgataagttt actaccaatc 240
attttttcaa taacaacaat aatataattt tattttccca tggaaactcga g 291

```

```

<210> 1512
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<400> 1512
gaattcgcgg ccgcgtcgac ccggtttcag cgaagtcgca cgtgaaggat agcagtggcc 60
tgagaaagac ccagtcnctg cagcctccag catcagttca ccattgggaa agcatgtgtt 120
caaagccatt ctgatgttcc tagtgccctt tatctctctc cactcagcat tggcccagtc 180
ccgtcagagc ttggcaccac caggccaaca gaagagagaa accctcgag 229

```

```

<210> 1513
<211> 104
<212> DNA

```

<213> Homo sapiens

<400> 1513

gaattcgcg cgcgctcgac ccgccaccga aaatctgttc tgacatgaga atgttcacaa 60  
aagacagcac tctcgaactt ctgctgataa gcttgggtct cgag 104

<210> 1514

<211> 357

<212> DNA

<213> Homo sapiens

<400> 1514

gaattcgcg cgcgctcgac aaattttatt gttgttttaa aaacctgtgt tttttatatg 60  
agggttaaaa aatccatatt tttcattact cctcttctag gttctgagtc ttctggtagt 120  
gtagggtcat ctacaggctc tctttctcac atccagcagc ctcttccagg tacagctctc 180  
agccagtcct ctcagtgccg acctgtcgtt tatcccaactg tcagcactca tagttctctt 240  
tcctttgatg gtggcctaaa tgggcaagtc gcactctcta gcactagctt ctttttgctt 300  
cccttggaag cggcaggcat accacctggc agtattctga tcaacctact tctcgag 357

<210> 1515

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1515

gaattcgcg cgcgctcgac ggtatttgct tactgtatta acttcgacca tcccaataga 60  
aacgtgcaca taaatcattg atgatcttta attgctgcct gtacgggtga ataataccaa 120  
tatcagaggg actgcattca gccctaacaa aaatggagggt taggaaaact atgagtttgg 180  
cttctgttac attgctcacc accacctttt tcaacttggt ctggcgctgg actcgag 237

<210> 1516

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1516

gaattcgcg cgcgctcgac cgaggacaga agatagaaac aagagtttga ggtttggctt 60  
tgattagaaa cttgggtggc tcaaaagaaa cttaccagaa gcacagtagc tctaggtttg 120  
gggtcccaaa agggtagcct gagcttttta gggctaaaaa tgggaaaagaa acacctaaac 180  
tgtgtcttaa actaaattta tgactgagtc ttgcccattg ggtgatttat agtatgctgt 240  
ttcagattcg ccttacttta atcatgaaaq ctctattcta tagaccacca cctgtgtgat 300  
gtccttgttc tcaaaagacg tttaaacttg gactgttttt cccagtaaaa gagatttgc 360  
ttcagaatgt cgagtgtatt cataacggat ggttcttcat tacttacaaa tttttgtaat 420  
taattctctg atgaaaacaaa aagctatgat gttgctgtta atgtgtatct gatagatatt 480  
ggttgacaaa tgcaggctaa atgggatgtg gcaatacttt ggggcagat atagagcttc 540  
gag 543

<210> 1517

<211> 431

<212> DNA

<213> Homo sapiens

<400> 1517

gaattcgcg cgcgctcgac caactgcatg gctccatttt ttcaggccat ccattcaaca 60  
tgggttcctg gatctctctt tctcttacat cccatgttct attcattagc aactcttttc 120  
agtatagtct tgaaaataag ttggatttat tctaaactac ttctactgct cttgactttg 180  
gacaatatgt tatcaaacag tgaccatttg aaagtatata aattatttga cttactctgag 240  
caaaaacttc ccgtggcttc tctctcacc cggaaatccg ctggaagaat aacctactac 300  
tacctggccc tgcctggctg ggtctcggac gccatcttgg cctcagctcc caaagracct 360  
tccctctctc ccgtgctcca gctgcggctt gtgtctctcc tcaactctac aggatctcc 420

acccccctcga g

431

<210> 1518

<211> 361

<212> DNA

<213> Homo sapiens

<400> 1518

gaattcgcgg ccgcgtcgac gggaggtcaa agctgcagta agtcaagatt gcaacgctgc 60  
actccagcct ggggtgacaga gtgagaccct gtctcgaaaa agaaacatac ataaggaata 120  
tattgtctca gatattctaaa gaatccagga gtacacctgg tgttggccac tgggtgatgt 180  
gggtgtgaaa caatctttct ccattcttta ggtctactgt tttctgtgtc tcttccattt 240  
taagatagac ttttgtaagt aaaagtttac tgtttccagt ggaaggaaat tgctctcttc 300  
caaacagtac caataaaaagt tccaaggctg actcatgggt ccaactatag cagtgtctga 360  
g 361

<210> 1519

<211> 274

<212> DNA

<213> Homo sapiens

<400> 1519

gaattcttga gtcaaataca ccaagtcgga cttgcgggta atcgaagtca ctgagaccat 60  
ttgcaagagg ctctctggatt atagcctgca caaggagagg accggcagca atcgatttgc 120  
caaggggcatg tcagagacct ttgagacatt acacaacctg gtacacaaag ggggtcaagg 180  
gggtgatggac atccccatg agctgtggaa cgagacttct gcagagggtg ctgacctcaa 240  
gaagcagtgt gatgtgctgg cgacgagtct cgag 274

<210> 1520

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (21)

<400> 1520

gaattcgcgg ccgcgtcgac ntacgcattg gcaactctgag ttcataaggaa gatagttaaa 60  
aagaaaatga gtataggatt tgaactaaaa ataacatggg acttgaagat tgacttgcaa 120  
agtcaggttc attattttga cagatgcatt tcaagtagag ttgccagaca aaatatagga 180  
ttttgagttt gattagaatt tcagataaac agcaataat tgttttaata taagtatgtc 240  
cgccaaactg tagatatact gaaagctatt gctgtttatt gaatcaaaat ttaattgggg 300  
gtctgtaatt cagttttgca aatctggctc cctagtctcc acacaagtta atttcttgca 360  
cattgtgata taggaggctg gataccatag atacggtaga gttgtacatt atccaggctg 420  
cctgagtccc aaaccagtat ccattcttaa ggtcttatga ttaggataaa agattttcta 480  
cttcagcaca aagtgccttt tgaaaatttg tgatgattat tcttggaat ctgtcccatc 540  
ttagcattgc tagagttggg ttatcatgag acataactca agagaaatta gctatactga 600  
gatcatttta tcaaaggtag tcgtgacata ggcaatttga tatgtcccaa gtctgcctcc 660  
aatgtcaggt gagtccccaa actcgag 687

<210> 1521

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1521

gaattcgcgg ccgcgtcgac gagattgtgc cctctcttcc attctctccc aataqatctc 60  
atgtctaaac ctactctaac ttgtctccc tctgagacca gcatgaaact cagttctctc 120  
tggcctctcg ag 132

&lt;210&gt; 1522

&lt;211&gt; 324

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1522

```

gaattcgcgg ccgcgtcgac gtgatcttca gttttcactt gcacctttga atattctgcc 60
atgtttgaat tccttagaat gatcaagcat cttttttgtt gttgggggtt ggttttttgt 120
ttgggtttgt ttgttttgag acagagtgtt accctgtcac atgggctgga gtgcagtggc 180
atggtcattg ctcaactgca ccttgaccat ctgggctcta gtgatcctca gcctccccga 240
gtagctgaga tcacaagtgc taattttgga aaaattgtt gttagagacag ggtcttacta 300
tgttataagc ccaggcctct cgag 324

```

&lt;210&gt; 1523

&lt;211&gt; 373

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1523

```

gaattcgcgg ccgaggcaag aagttccgt gtatacagat tctgaaccca ggcaagaagt 60
tcccatgtgt tcagaccctg aaccagggca agaagtccc acatgtacag gcctgaatc 120
caggcaagaa gtcccatgt atacaggccc tgaatccagg caagaagttt taataccgac 180
agaccctgaa tctaggcaag aaattatgtg tacaggccat gaatccaaac aggaagtctc 240
catatgtaca gatcctatat ccaagcaaga agaactccatg tgtacacacg ctgaaatcaa 300
tcaaaaatta cctgtagcaa cagattttga atttaagcta gaagctctca tgtgtacaaa 360
cctgaactc gag 373

```

&lt;210&gt; 1524

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1524

```

gaattcgcgg ccgcgtcgac tcgagattta ctggcaactg ttcttttccc atcaaaaatc 60
agtgaatgtt tgtgtgagtat aaatgtgtgt tctttaaacc acctgtcgtt ttaggatcaa 120
ctttacctgt acctttttct ctttccctcc ttgccacctc aggtgc aaat ctgaactcag 180
tgtctgtctt tcccatcttc tcgtctctct cccctcttcc cccatccgc gtttgcctcg 240
ag 242

```

&lt;210&gt; 1525

&lt;211&gt; 527

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1525

```

gaattcgcgg ccgcgtcgac cttgaattct aaaagccaga gctggaaaata accgaaaagt 60
cttaagggaug tgtgtgtgtg tgggtgccaa taaaaa aaag ctaatlqagt atgtagaaga 120
gaattctagc tctgaaagtg tctgttctgg tcggaagctg cctcacccga atgcttctgc 180
tgtagctaga aaaaagtatt tacataattc tggaagatga acagagctta aagtcagaaa 240
ttgaagaaga gtagctaaaa gatgaaaaac aaccattacc agtgtccagt tctcacactg 300
ccagagacaa tgttgatgaa tctgaaaaca gagactcaga gtcagaaaat gatttgcggg 360
tagcccgga aatttggtat gctaatggtt acaagtccca tactccagca ccttcaaaqa 420
caaaaattct taaaatagag tcttctgagg aagactctaa aagtcattgat tcagatcatg 480
catgtaacag aactgtctgc ccatcaact ctgtgcagag cctcgag 527

```

&lt;210&gt; 1526

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



```

<400> 1526
gaattcgcg cgcgctcgac ttcacatcgc tactgttatt atgctatttg ttagcaccat 60
tgccaatgtc tgggttggtt ccaatacggc agatgcacac gtaggtcttt ggaaaaactg 120
taccaacatt agctgcagtg acagcctgtc atatgccagt gaagatgcc tcaagacagt 180
gcaggccttc atgattctct ctatcatctt ctgtgtcatt gccctcctgg tcttcgtgtt 240
ccagctcttc accatggaga agggaaaacc gttcttcttc tcaggggcca ccacactggc 300
gtgtcggtcg tgcattcttg tgggggtgtc catctacact agtcattatg cgaatcgtga 360
tggaacgcag tatcaccacc tgctcgag 388

```

```

<210> 1527
<211> 161
<212> DNA
<213> Homo sapiens

```

```

<400> 1527
gaattcgcg cgcgctcgac gagctagggt acgggtgcag gcaggaaaca gaaacaacac 60
agctacacac tcttgagata actctggtct ttatactgaa actaaccaac taagaaaatt 120
attcaatgca ttatacatcc ttaatcccca caacactcga g 161

```

```

<210> 1528
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<400> 1528
gaattcgcg cgcgctcgac atcctaagca catacgcata tttaaactgg caccaagctg 60
ttaattatgt taatgccttt atggcacaaa aatgtaaaat ttactattaa cttgggggct 120
gacctaaaga gctggcaaat ctccctatc ctccctatc tggctatctt gctgggcttg 180
caatgccagg gccctacttag aatagccaca gccacacatg agcatcatgg gagactctg 240
ggggcaactt cagcttcttc ctctaaaatg attcccgact cccagatcct cgag 294

```

```

<210> 1529
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> unsure
<222> (424) (427)

```

```

<400> 1529
gaattcgcg cgcgctcgac agatgtcaga ggatttagca aagcagctgg caagctacaa 60
agctcagctc cagcaagttg aagctgcatt atctggaaat ggagaaaatg aagatttgct 120
aaaattgaag aaagatttac aagaagttaa agaactaacc aaagaccttc tgttaactca 180
accttctgag acgcttgcaa gtccagacac ttttgctctt actcaacctc ctgattctatg 240
gaaagtagga gacaagtgtg tggcagctctg gagtgaagat ggacagtgtt atgaagcgga 300
gattgaggag atagatgaag aaaatggcac cgtcgcaatc acctttgctg gttatggcaa 360
tgctgaagtg actccactgt tgaacctcaa gccctgtaga gaaggaagga aggcataagga 420
ggannnttgg caacaaaccc atgaacctcg ag 452

```

```

<210> 1530
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<400> 1530
gaattcgcg cgcgctcgac ctgaagtaac caacaactag gtctttgtta gctaagcagt 60
gtataagtta ttaacaaaaa tcaaaaacag ttaactgtgg ttggaaatat tcattctaaa 120
aatcaattta tgaataataa aaactcacca aaaaaatcat caagtaagta gaggagacat 180
aatlgcttga aaataaacta agagagaaaa aacccctaaa accccctaaa aactccaaat 240

```

```

cctctctctt ttattgttca tttttattgc ttgttttatt ctttcattgt tcaaaattct 300
ttagtatttt ttttaattgc aaaagcaatg agtgagggtt tgggaaaaag cagaaacgtt 360
gggtctgag                                     369

```

```

<210> 1531
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<400> 1531
gaatttcgagg ccgcgtcgac ctcgagagtt tcttttgaga acattatact attggctcta 60
gtctccaaac caataaaaaa ctaaaacttg ttccaagac tgggaggtaa agtaggctta 120
taaaacaata cagcaaaaaga aagccaagtg gcttaattgt ttccagtgtg cttgccatct 180
tagcatgggt actttccaga tgtcactcga g                                     211

```

```

<210> 1532
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<400> 1532
gaatttcgagg ccgcgtcgac gtcgattgaa ttctagacct gccacatcaa tctcagggtt 60
gattacaaga ttccagaag cctgaacaa ttcaatttca accatgcctc tagaacatcc 120
tctcttcaca aaaaacccaa ctttatctgc tcttccatg aaagcagggt ttccagctaa 180
accaaggcaa atggcacaca caaaactcga g                                     211

```

```

<210> 1533
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<400> 1533
gaatttcgagg ccgcgtcgac caaggagact aagatgcaga aaccccactt acctttatct 60
caggaaaagt ctgcaattaa aaaagctagc aaccttcaga aaaataaaac cgttagctcc 120
acgacaaagg agaaggagac aaaactacct ttactttccc gtgttccaag tgcgtgttcc 180
tctctagtac cattaatgc taaaaattgt gctcttccag ttcttaaaaa agataaagaq 240
cgttccctcat ctaagaatg ttctgggcat tctacagaat ccaccaaaca caaggaacac 300
aaagcaaaga ctaataaggc cgatttcaat gtatcttcag ggaaaatttc tgggggacct 360
ttgcgtcag aatatgcac tctacaaaag tctcccccgt ctgctttgga agttgtgcca 420
tgtatcccaa gccatgcagc actcgag                                     447

```

```

<210> 1534
<211> 150
<212> DNA
<213> Homo sapiens

```

```

<400> 1534
gaatttcgagg ccgcgtcgac gtgggaaagg aaggaaagaa ggaagatttt ctgatgaagc 60
catgcctgag aggtaatgac aactaggagt tagtcagatt agtgccttggg tgaggcctaa 120
gaaggcactt atgaagctga gaaqctcgag                                     150

```

```

<210> 1535
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<400> 1535
gaatttcgagg ccgcgtcgac ctttagagac caatttgcct gaattttaaa atcttccctac 60
acacatctag accttcaagt ttgcuaatca gtttttagca agaaaacatt ttgcatatc 120
aaacatttgc ctaagtctgc ccaaaqccc ccaatgcac tcttttaaga aaatataatc 180

```

tctgtacttt aaagttattt tagtcatgaa attttatatg cagagagaaa aaqttaaccga 240  
gacagaactc gag 253

<210> 1536

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1536

gaattcgccg cgcgctcgac gcaacatggc gtccaggtct aagcggcgtg ccgtggaaag 60  
tggggttccg cagccgccgg atccccagt ccagcccgac gaggaagagg aaaaagaagt 120  
cgaaaatgag gatgaagacg atgatgacag tgacaaggaa aaggatgaag aggacgaggt 180  
cattgacgag gaagtgaata ttgaatttga agcttatccc ctatcagata atgattatga 240  
cggaattaag aaattactgc agcagccctc gag 273

<210> 1537

<211> 347

<212> DNA

<213> Homo sapiens

<400> 1537

gaattcgccg cgcgctcgac cctaaaccag cgaacaccag tgcactcacc attcgctctc 60  
caactactgt cctctttact agtagtccca tcaaaactgc tgttgtaacc gcttcacaca 120  
tgagtctctc aaatgtggtg aaaaatgacaa caatatccct cacacccagc aacagtaaca 180  
ccccctttaa acattctgcc tcagtcagca gtgctacagg aacaacagaa gaatcaagga 240  
gtgtccca gaacagaat ggtctctgct tgcctcttca gtctctggg tccaggagca 300  
gcagtgcggg gggaacatct gctgtggaag tcaaagtggg tctcgag 347

<210> 1538

<211> 287

<212> DNA

<213> Homo sapiens

<400> 1538

gaattcgccg cgcgctcgac ctggctgatg gagcacgaag acgaccccga tgtggacgag 60  
ccttttagaga ctcccccttg acatatcttg ggacgggagc ccacttctc agagcaaggc 120  
ggccttgaaag gatctggttc tgcctgccga gaagcaaac ccctttgagt gaagaggaaa 180  
gacaggaaca aactaagagg atgttgagc tgggtggcca gaagcagcgg gagcgtgaag 240  
aaagagaggt acgggaggca ttggaacgtg aacagcaaca tctcgag 287

<210> 1539

<211> 298

<212> DNA

<213> Homo sapiens

<400> 1539

gaattcgccg cgcgctcgac cgttgaatc agcattcaga gcaacttcca gccagggaatg 60  
aaattggaag ttgctaataa gaacaaccg gacacgtact ggttgccac gattcattacc 120  
acgtgcgggc agctgctgct tctgcgttac tgcggttacg gggaggaccg cagggccgac 180  
ttctggtgtg acgtagtcac cgcggatttg caccocgttg ggtggtgcac acagaacaa 240  
aaggtgttga tgcgcgcgga cgcattcaaa gagaagtaca cagactggac aactcgag 298

<210> 1540

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1540

gaattcgccg cgcgctcgac ggagagagca cttgcagggg aactccccatt tataaaacca 60  
tcacatccca ttgagactat tcaataccat gagaacagca tgggggaact gctccatga 120

```

ttcaattatc tccacctggc cccacccttg aacacatggga attgtaacaa ttaagatga 180
gatttgggtg gggacagagc caaacccatc aattcttccc tggccctccc aaatctcaag 240
tcttcacatt tcaaaagcaa tcatgccttc cccaaagtc cccaaactct tatttcagca 300
ttaactcaaa attccatagt ccaaagtctc atctgagaca aggcaagtc cttccacctc 360
tgagcctgta aaatcaaaaag caagtgagtt attttctaga tacacaggga tacaagcacc 420
tcgag 425

```

&lt;210&gt; 1541

&lt;211&gt; 347

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1541

```

gaattcgcgg ccgcgtcgac ttatacttct gctacctgtg gtctttgtct ctttaccctg 60
aagacctctt tgcctgttcc acttaggtcc tgcctcccaa ctctctgccc ggtgtcagcg 120
gtgaccttta ttcattgggtc cagtggacaa cctaattgtg tctttctgca ttctacaact 180
tcatttggca gtgttgactt ttcccactc ttgaaacac tcaactgctg ttctcttggc 240
aggatgttct tctttccctc ccccacccc ttttctttgc cctttccctc actgtctgtt 300
tcgttttttt tcttctaccc agcactgaaa cctgggtgtt cctcgag 347

```

&lt;210&gt; 1542

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1542

```

gaattcgcgg ccgcgtcgac cggaagaaaag tgcattggtg cagcttgctt gaaaataaca 60
ttgctttgtc tgttctacta ctctacatta ggggagaatt tcgatcgcca ggcagacctt 120
cggcgggtct taatttacc acgacctctg gtaagacgac cgaagaaagt caaaaggaga 180
aagactatta caggagtccc tgacaacata cagaaggagc tagcatcagg cactggccaa 240
gatgatgctg atggccactc agtgtacacc cctgatctcg ag 282

```

&lt;210&gt; 1543

&lt;211&gt; 292

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1543

```

gaattcgcgg ccgcgtcgac agcgttccct ttgctgcctc caccacgctc actgttctct 60
ttccaaaggag aacatcagtc ccattggatt gttttcttca ctagtggatt cccagggtct 120
ggagcacaga aggcacccaa taaaagtcat ctgaatgagc caattccttc tcccatttct 180
catgtggcta tttaaagcaa ctgtctactt tcttccctc ttcaaccttc cccacctctc 240
agatgcctcc tacctcagag gagaaaataa atgctactct cttcaactcg ag 292

```

&lt;210&gt; 1544

&lt;211&gt; 218

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1544

```

gaattcgcgg ccgcgtcgac gtcaggggaa ctaaaaaaga aaaaaacagt cttgcttgc 60
gcacgtgtct catgcactac tttcttcaat ccttttctg ctatagggga attctggact 120
ttgagtgttg cacatgctgt gtagcacaca ttgggcagga tctctatggg tctcttgaac 180
atgaccttga atgtgttagc tctcccatca cactcgag 218

```

&lt;210&gt; 1545

&lt;211&gt; 452

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 1545  
 gaattcgccg cccgcgtcgac aatgaggagg ttgaggcgc gcgctctggg caggaagcct 60  
 cccagcctt ctgaggatga tatctggcta aaaagcgagg gagacaacta tagtgccacc 120  
 ctccctggagc ctgctgccag ctctctttcc ccagatcaca aaaacatgga aattgagggtg 180  
 tctgttgccg aatgtaaaag tgttcctgga atcacctcta cccacatcc catggaccat 240  
 cctcccgctt tetattcacc cccgcataat ggcctcctta ctgatcacca cgaatccctg 300  
 gataatgatg ttgccagaga gatccgctat ctagatgagg tgctagaggc caactgctgt 360  
 gattctgctg tggatggaac gtacaatgga acatccctcc cagagcctgg tgcagtgggt 420  
 ctggtggggc gcttaagccc cctgtctctg ag 452

<210> 1546

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1546  
 gaaattcgcc gccgcgtcga ctttgatttt ggtttgacgg cttctggagc ctctcagaga 60  
 tggatggggc caaatactgc acccaggctt ccccatcaga atcagcacag acgcacctgc 120  
 atctaccatg tagtcttcca cagtatcttc tgggtgggatg ctgggtggct gccaaatttt 180  
 cactaaagcc aaccatgcgg agaagcacc cgggtctctg cctccctgtg ggtatagtcg 240  
 gtgtttatcc agaactagaa gatacaatag caagggaaga tacaatagca agcattgctg 300  
 aatgctacag tgtaacactc tgaggctttt tgtgaatgaa ttcatttagt ccttgtaaac 360  
 ctctgggggt agctcaccat tctgtctcca tccacagat ggagaatgag gcacagagaa 420  
 gtttaagtaac ttgcccaact tcactcgag 449

<210> 1547

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1547  
 gaattcgccg cccgcgtcgac ctgtggatca tttagctgca gtccctcttc ctacaacctt 60  
 gattagatca tataagttcc agaagggcat gccaccacga attctctcta atactgatgt 120  
 agcccttttc atcagtgaat ttactgcttc tcagaatgta gtccctggctc tcagag 175

<210> 1548

<211> 211

<212> DNA

<213> Homo sapiens

<400> 1548  
 gaattcggcc aaagaggcct agtaaggaaa aaaatctggg ctgttagagt gaaaaagtgt 60  
 gttttatgtc aattgtgaaa ggaaaatgtt aggagtatgg tttttaaact tgggcttcac 120  
 tttaaaattt ttttttttaa acccagttat ttcacttgat ttgctagctt cagagaagag 180  
 atccgaatct gtgccacgcg ctgggctcga g 211

<210> 1549

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1549  
 gaattcggcc aaagaggcct agtcaggcta ctgttttagg tagagtgtac aaagaaacca 60  
 caagtaatcc tgatgggttt acacttaaaag aaaacctgtt gggatgacag agaacaggtat 120  
 aaaaattata aaataagaga ttggaatatg aagtattttg ccttaatat tttcaatttc 180  
 agcctctctc tctctcagtg tctctctctc atgtctttct ctcaagcagg ccaactcgag 240

<210> 1550

<211> 210

<212> DNA

<213> Homo sapiens

&lt;400&gt; 1550

```

gaattcggcc aaagaggcct acgattgaat tctagacctg cctcccgcct cattgcccgc 60
ccttcccctt ctcagtgagc ttctgcaaca ctagagttct ttgtgcaccc tatatacatg 120
agacaacttc ttgccttgag gcctttatgc atgggtgttt tctgttcctg gtatgctttc 180
ctcccctcct ttgtctggc taagctcgag 210

```

&lt;210&gt; 1551

&lt;211&gt; 244

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1551

```

gaattcggcc aaagaggcct aagattgaat tctagacctg cctggccttg tatgttttaa 60
gagttttaca attttatctc ttatgcataa atctgtgac catttgaagt taatttttgt 120
tttgttttgt ttgttttgtc tggttttttt ttgggagatg gagtctcact ctgttcccca 180
ggctcgagta cagtgtacag tggcacgac tcagctgacc acaacctctg cccccatct 240
cgag 244

```

&lt;210&gt; 1552

&lt;211&gt; 254

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1552

```

gaattcggcc aaagaggcct agggagtggc actaaggatc aagtatactg ttaaaagaaa 60
acaaaaaccc aagcatgagg aaggcggytg ccacgtctat gtgggcttcg tgctgtgggc 120
tgctgaatga agtcatggga actggagctg tcaggggcca gcagtcagca ttgcaggag 180
ccaccggtcc attcagattt acaccaaac ccaggttttc caccatacca ccagcagcta 240
cagaagagct cgag 254

```

&lt;210&gt; 1553

&lt;211&gt; 196

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1553

```

gaattcggcc aaagaggcct cccgacaaga qcaaaactca gtctcaaaaa aaaaaaaaaa 60
aaaaaaagaaa tagaacatct catccacatg tccatatcca ctaactggat ctttgttttg 120
ataatcctct ccccttctc tgcaggttta ctcccagtat atccatttct acctgagcca 180
ctcgag 186

```

&lt;210&gt; 1554

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1554

```

gaattcggcc aaagaggcct aaacagatgt taaaattatc agtgaaagtt ttattggaaa 60
aaggaaattga gatataatat tgagatttgg tgaaattgua ggagaaaatt taagtgaatt 120
tttaaaatat attctgaatt aaaaactgtat tgaggattca tttttgttcc tttttttttt 180
ttttctcttt tctctttttt cttcttttta atagtctagt tttaggcagc cacttcgaa 239

```

&lt;210&gt; 1555

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1555

```

gaattcggcg ccgggtgaaac aaagatgaga ctgttgctgt agccagtgtt ttgttggtaa 60
ctgttgagaa atgttgagac ataggaccta tttaagtggt atccatatct cagatcatt 120

```

gtaactgtaa gtttagtaaac tttgttggtt taaggaacta aggttttggg taatttqta 180  
 tgaagcaata aataactcat atgccaacta tgtgccagga actattcttg qctcttggga 240  
 caactcgag 249

<210> 1556

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1556

gaattcggcc aaagaggcct aaatttatat cagggtctttt tttcccccct taattctgag 60  
 tttttgctag gatagatctt tcacctctta gaaaatcact ctatctgac tttaaatccg 120  
 tgagttggaa tgagaaatat tccacttgc aaaattttct tcagcttttt aactttttac 180  
 aatctcaaca ggtcaaaggc agatctcgag 210

<210> 1557

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1557

gaattcggcc aaagaggcct acttatcttc atacaattag atttgttctt gcttcaagac 60  
 ttcagtctga ttggatgttg atgctgtatt ttgcacatac tcatttgact gtgacagtca 120  
 ccattgggtt gcttttgatt ccaaaagttt cacattcaag caataaccca cgagatgata 180  
 ttgctacaga agcatatgag gatgagctag acatgggccc atctggatcc tacctgaaca 240  
 gcagtatcaa ttcagcctgg agtgagcaca gcttggatcc agaggacatt cgggacgagc 300  
 tgaaaaaaact ctatgcccaa ctggaaatat ataaaagaaa gaagatgac acaacaacg 360  
 ccctcgag 368

<210> 1558

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (19)..(23)

<400> 1558

gaattcggcc aaagaggcnn nnnacagagg aggetgactc aggggttggg atggactgta 60  
 tagcacagtg agggccaggg gctttgaact tcttcttaga tttcagttct gaagccttca 120  
 cttaactggct gagagacttg ggcgaattat ttaaccttc tgtgagttt ctcatcgata 180  
 aaatgggagt actgacagta ctgtatcttc tcagaggatt gttgcaaaga ttagcttcag 240  
 taatgtgcac agagtactta ggacaatacg aagtgtgcag taatacattg ccattaaaaa 300  
 gagatctcgg gtgtcccgcg gttgcgaat ggagctgagc atcttgatgg aaccaggaat 360  
 ctcaaggtga agactgaagc cctaggctat ggcggaagtt ggggtgctga agtacaagt 420  
 gaaatatgcc aactgaaccc taaaccgtcg atgaattct agacctgct cgag 474

<210> 1559

<211> 128

<212> DNA

<213> Homo sapiens

<400> 1559

gaattcggcc aaagaggcct aattgaatgt taccagaggc tttttctcca cctatggaga 60  
 taatcacatt ttttgtctct cttctctgtg atttactatg tttatgttt tgtgtaatgt 120  
 ccctcgag 128

<210> 1560

<211> 250

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1560

```

gaattcggcc aaagaggcct agctctctat acagatcttc caaacagaca agcccttcag 60
agccaagatt gcttcaatca ccagcatgtc agaaatagca tcaccagctg cctgggttaa 120
caagtcaata atgttttcaa gcattcttagc agcttttctt ttcttatctt ccagctgttc 180
tgctgattgt tctatcttca tttcaacagc tgtactaaac aqtcagctgc catgcccatt 240
tgctctcgag                                     250

```

&lt;210&gt; 1561

&lt;211&gt; 229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (21) .. (22)

&lt;400&gt; 1561

```

gaattcggcc aaagaggcct nntgcagagc tgctttatat aaattatttc atttaacct 60
taaattaaac ctacaggtag atattccagt agaattagta caacaataga gactaaatta 120
gcataatgta aaaatggaca tatgctcttg tttttttttt tttttttttt caatagagat 180
gggatttttc tatgtggccc aqcatgggtt cccaaatttc ggctcgag 229

```

&lt;210&gt; 1562

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1562

```

gaattcggcc aaagaggcct agtcgtggtg caattgaggt ttctgttggt ccaatggat 60
ctgtttattc ggcttttatt tggttttttc tagcagctgc ttcactagca gtcattggt 120
caggaagagc tgaaggaata gaaqaattat tgatgttqga gactggacaa tcttttttgg 180
caaatttaaa tgcaaaatat gcactcgag 209

```

&lt;210&gt; 1563

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1563

```

gaattcggcc aaagaggcct accttgaagc atacataata ggtgttggtt tatttttttc 60
tcattggaat atgggtagtt tcattgcagc tcattctctt ctttttggtt cgtataaggt 120
tgatagttca ggaacattca gacccatgtt tcagttcata tttttttaa cccactatc 180
tactgaatga accaaatcgt gctgagttga tgaatttacc catgattcct tcttcgttgg 240
cttccaaaaa gaaatgtgag aaaggttata atctcgag 278

```

&lt;210&gt; 1564

&lt;211&gt; 234

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1564

```

gaattcggcc aaagaggcct accttgatgc gtgatgatgg caccaccttc ccagatgata 60
tcacagagct ctatgtgtac aagctgtgat agaatagcac tttcaataac catgctctct 120
acctgggctt gccctgctgc aaagaggact acaatggctg ccttaatatc ctttctagcc 180
tcattcttca ggcgaatcc aaagagttct tcttcatttc cactaagatc tgaag 234

```

&lt;210&gt; 1565



<211> 294  
 <212> DNA  
 <213> Homo sapiens

<400> 1565  
 gaattcggcc aaagaggcct agttttctct agatacagcc ttagtgaata aaacctggaa 60  
 tttcttaggt gagcggaata ataagaggt ttaaactctt catccacaaa tacaagcatg 120  
 aaaacttga cactttttta aaaaattttt ttttttatgg cgggttgaggt ggaggtttca 180  
 ctgtgttgcc taggctgccc tcaaattctt gggtctaaag gatccgccta cctcaggctc 240  
 cctagtagct gggactacag gcacatgcca ccgcacctgg ctctccact cgag 294

<210> 1566  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 1566  
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 gtcagctctg tggaaaccag ggggtgtgtc tggttaagcag tggttgtagt gcacctagct 180  
 tttatattat cactcgcttc gag 203

<210> 1567  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 1567  
 gaattcggcg ccgcgtcgac atgcagcccg ggaaagagct agagacaggg aagaacgatt 60  
 ggcagcactc acagctgctc aacaagaagc tatggaagag ttacagaaaa aaattcagct 120  
 caagcatgat gaaagtattc gaagggacat ggaacagatt gaacaaagaa aagaaaaagc 180  
 tgctgagcta agcagtgggc gacatgcaaa tactgattat gccccaaac tgacctctga 240  
 g 241

<210> 1568  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 1568  
 gaattcggcc aaagaggcct ccgagatttt ggtgaaaatt aaattagata aacgatgagc 60  
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 cacacctctc aaaacctttc tttccatttc tatcactcag ttccatctct cctggactac 180  
 tctctccga cagggttttc agccttttgt ctactactcc ttcaaaacct tccaaaacct 240  
 ctattacaaa caacattcaa aaatcagaaa tttgatcatg gactccctg tcacaaatcc 300  
 tccatagtg ataacattca gaacaaactt gcattcagag aaagtccacg tgtccctgc 360  
 ctcgag 366

<210> 1569  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 1569  
 gaattcggcc aaagaggcct acgtcgattg aattctagac ctgcctccag cccataggtt 60  
 aattgataatt ctttaacgag gaaggcaagg acctcatgaa aggttttgtt tgggttttt 120  
 tttttctttt tctctctgtt tctagagaga gcaaccttat cagtccagca gatcttaata 180  
 gantagaaa aagccaggag aqtatttaag aactcttaac acaagagaa ctcgag 236

<210> 1570

<211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 1570  
 gaattcggcc aaagaggcct agcaagattg tttcttgga acagctgtat atgaaatggt 60  
 gattctcagg gagacaccta gacacctgaa ttgcagcaga ctttttatgg tgttgctaag 120  
 ttgctggctc ttctcatcag tagcaggcct actctcactg tcacatatct cccacggctc 180  
 cgag 184

<210> 1571  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 1571  
 gaattcggcc aaagaggcct aagatagttc acaatttatt ccgtgtatcc aagcctgcgt 60  
 aaacgggaat ttgctaaagc aaattgggaa ttggggatta actaaagga attgtgagaa 120  
 agagaaagaa caacttttaa gaagtatgtt aactgtcata ttttcactta aggggtctct 180  
 cgag 184

<210> 1572  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 1572  
 gaattcggcc aaagaggcct acgagatgaa tttctatgca ttattggaaa ataaggacaa 60  
 agtcttctcta ttatcatgtt tgtggattat tgatggaaga tgctgtggat tggctcagtc 120  
 aacatccact tcacctcaa acaggtatgc ctctctgcaa agcaaaagga atcccaaac 180  
 ctcttgccagc tatagttgcc aaaaqcaatt tcagttctgc caaccagagg gactcgag 238

<210> 1573  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

<400> 1573  
 gaattcggcc aaagaggcct agattgaaag tgatacaatt tgaatattgg tatatgtca 60  
 ttggtcagta atggaaaaat gagattccac cagtgggtta ctctttctct gtcttggtct 120  
 gctatgccct atcccagatc agtgttttgt tccatcccta tggtcattct taaagccctg 180  
 acaggagcat cccagactgg agaatgcag caactcgag 219

<210> 1574  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 1574  
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 aaagcagctt tcatcattga aagcagcaga gctgttttgc tcttaattaa ttaatttaat 120  
 aaaaaccagg gattttattc aatcttgaaa taattgctt ctgtcgaaca gtttaaaat 180  
 atacagttag caaaaattta agaataatct aaatgaaaat tagaggggca ctcaa 236

<210> 1575  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 1575

```

gaattcggcc aaagaggcct agtcatctat ccccatctga gcccgacaag ttttggagta 60
atctattaga cagagataac taatacaaat ttttcagtgg acaatatalt cctgtttttg 120
gatattgctg tcattggaag actgtgccag aaggtaaatg aagggtgggtg taatgtttca 180
tattagaaaa atcctcgag                                     199

```

&lt;210&gt; 1576

&lt;211&gt; 243

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1576

```

gaattcggcc aaagaggcct aagagaaaac gaacagagct cctttataca attgaatgca 60
ttgcagggtta gctgaagtga aatcaagtca agaataattg ctgaggaaat atcaagttac 120
tgtaaaaggta aatccatcaa gaatatctaa agtcagggag gaaaaaaaaa gaatttagtg 180
tttatctatg tatgttaact catgattagt agatccaata tgagaattaa tgtggtgctc 240
gag                                                         243

```

&lt;210&gt; 1577

&lt;211&gt; 252

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1577

```

gaattcggcc aaagaggcct atgagaaaatt aaatgatccc tgcagagtcc caaaagttag 60
gtcaattata tgtgtgcgtt attatttatt ctattatttg ctacaaatca agctcagttg 120
atcattttcca tgcatttaga agataagtgt atctttctga gggctaaggg tcatgctgaq 180
ctagaagggt gcaaggctgg agaggaagtg cctctctctc agcgtcagca aaggctgcgg 240
gcaggggctcg ag                                                         252

```

&lt;210&gt; 1578

&lt;211&gt; 230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1578

```

gaattcggcc aaagaggcct agagagattg cttttctctg aatcatttca ttctagactt 60
tcacatattc ctgctaagtt gtaatgttac ctgtctcttc cttagtctct agcttatctg 120
aattttattc tgttattgct gcacaaatta ttatcaagtt ccactttggg ctgggcgcag 180
tggctcacgg ctatagtcct agcactttgg gaggccgagg cagactcgag 230

```

&lt;210&gt; 1579

&lt;211&gt; 233

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1579

```

gaattcggcc aaagaggcct accttttttc ccccatcatt ttgcattctt tgccaaactt 60
taacctttga gttctccatc cctcatcaaa tgcacatctc tgggactctg ccattgcctt 120
gtttgcctga ctaccatca tgcattagcat cttttgggca ctacagtcctg tttttqccct 180
ctttacttgg acatcatttt aactgtcact cctcgaaacg cttgaatctc gag 233

```

&lt;210&gt; 1580

&lt;211&gt; 219

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1580

```

gaattcggcc aaagaggcct aatttaaaagt gctgctttgg attctcttga gcattatgca 60
ttatagttgt tctccaaaga cttttttgaa aatatgcaga aatttctggt aattatgtat 120
ttgtgtcttg tgacaattat gttttataga cctacactag tgcaggttca ctattgtaag 180
atgttaaaat ctcaagaata tttccagatg gcactcgag 219

```

&lt;210&gt; 1581

&lt;211&gt; 199

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1581

```

gaattcggcc aaagaggcct acgtcgattg aattctagac ctgataacaa aggccttgct 60
tattcctgat atcctatcat catctttacc aatttctggc aattataacc ctgggcctaa 120
gttcccatct ttgtatcctg cctcatacc ccaagtctct atgaagtggg gtccctgctt 180
gtctacaca ggactcgag                               199

```

&lt;210&gt; 1582

&lt;211&gt; 272

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1582

```

gaattcggcc aaagaggcct aattgaattc tagaccccc gccagcttcc cacacctcat 60
acgcagccac atctgcccta ttctccatgc ttccagctt gcctgccctt cctcatctct 120
ccttgctgtg gcagacctcc accttctctt cctccacccc tccatccccc aatgcttgta 180
gaccttccat tcattccgtc tcctcgtggg tggctctctg tcttccatca cctgaccttc 240
tccaggactg tcttctcacc cttccctctg ag                               272

```

&lt;210&gt; 1583

&lt;211&gt; 408

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1583

```

gaattcggcc aaagaggcct aggagtggag gtccaggacc aaggggcttc tggctcctca 60
gccccctgtc tcggccatgc cctgcgggtc ctgcgggttc cggccctaata tgtgcnaaaq 120
gttgacccgg cctgggctgc gtacaccttc gccctgcttt gctttaaagc ctccgggtct 180
gccccggccc tcgcccctgc ctggcactgc tcaccgcccc aggcgaacgc qactggacca 240
ggcactgcct gctttctctc tggccggcct cggaaaccagc tttctctctt lacgatgaag 300
gctgatgccg agagcgggct gtgggcggag ctgggtcagt cccgtattta ttttgctttg 360
agagagaggg accctaaacc gtcgattgaa ttctagacct gccctcgag                               408

```

&lt;210&gt; 1584

&lt;211&gt; 266

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1584

```

gaattcggcc aaagaggcct atgtgaatat tgtaaaagtg ctgtatgttt agtagtgtt 60
tgtgcctggc agtgctgact atgactactg tccatctgt ctgtgacctt gatgttaggt 120
acctggccat ggggtacca gcaaggatgt gcaaaggaag aaccgctgcc cctgccccta 180
gttcccttat gcccgagcca ctacttatcc gtgaatgtga gtgccaaag agaacctaatt 240
tgggtggggaa gccaaggcat ctcgag                               266

```

&lt;210&gt; 1585

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1585

```

gaattcggcc aaagaggcct agctgtgctg ccattagaac attttaaaga gtctcattct 60
gagttttgtg ttgttaaact gtgtctggaa actaaacttt ataattgtgt acattttagg 120
tcagaagaca tgtcttcata tacatggcat ctttccctac ctctatgtgc catacgatgg 180
ttatggacag cagccagaaa gctatctctt tcagatggca ttcagtatcg acagagcact 240
taatgtggct ttaggcaata cactctccac tcttcagcat gtgttgatga aactcgag 298

```

&lt;210&gt; 1586

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1586

```

gaattcggcc aaagaggcct agaataccat cgtaaacaag atataaatcc ttacatata 60
atgcttccca taccttttcc ttccattctg cttacgtaca atacttacct tgaaagttag 120
cagtgaacac tcccagtcac catgcatagt ggaaagcttc aagaaataag aataataata 180
aaaaagttaa aactataatg ataacttggc cgggcacact ggctcactcc tgtagtcccg 240
gcgctttggg gggccgaggc gggcggatca ctcgag 276

```

&lt;210&gt; 1587

&lt;211&gt; 186

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1587

```

gaattcggcc aaagaggcct atggtagttg aagagagaac gtttaattct caattcctct 60
tgcaggtagg cctcgaactg ggcatacata tattctacta tcggcttata gctgtcatct 120
ttatttatct ggtctccaaa tcccacgggt tcaacaatgg ttaacttcag ccgtacattg 180
ctcgag 186

```

&lt;210&gt; 1588

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1588

```

gaattcggcc aaagaggcct gatcctcaca cctaagccat gttttaggtc cagctaccta 60
ctccatatca cagcagaagc tgcagtttca acaggtgtag tagcttgccc acaccttggt 120
gactaaagtgg gggcagcagg ttttgaatct gggtaggactg cagctgggaa ccacatactt 180
aatccatacc ctagaatcta ggtaggaaaag agaacatgct ttatctgggg ccagggaaat 240
gactgtggga ggcagtgcaa ggaattgagg ccagttaggt gggcaggagg ccaatgatca 300
cggccctctg ttgccttttg aatgcagttg ggtacatgtg acagtcattg aagaatgtca 360
aaggtcaggg atgagattgt atgacatgat cagacctgtg ttttagccag atccactcgg 420
gctcgag 427

```

&lt;210&gt; 1589

&lt;211&gt; 410

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1589

```

gaattcggcc aaagaggcct agacaacttc agcagtcggt acaagtcaca ttccatttct 60
attgaatada tgactttgaa cagctcctgt acctgcctct tgaaaaaaaa aataaaatta 120
ttttgaatta ttctaccttt gtaaaccaatt ggtctaaaaga atcatcttta agaaattaag 180
ccattttacat gtttgtgttt ttctatagea ggcattata ttttgcatta tatgtttcaa 240
cctagtctaa gtgggtcttt ttacattttt tcaagaacgg atttcttgga atacagcgat 300
ataatttttg ttgtcaaatc cctaattgca ccatttagtc taaacttagt cttttatttg 360
tgacaataay atttgttcag gggctccttg tttttaaag actcctcgag 410

```

&lt;210&gt; 1590

&lt;211&gt; 318

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1590

```

gaattcggcc aaagaggcct aggacatgag tgactgaagg aacgaatatt tggagtgggt 60
aaccaucata aaaaagact ttgacattaa actgagagat acttttggga gtagaattta 120

```

```

agttcttttgc tctcttttgc ttgaaaaagg cagattttct taggcagtag ttaggaatag 180
catctttgata tgagcaagat gaaacgtggc tgcgaaggga atctctctaaa atgcttttat 240
ctcactatga agctattttt aaaagttaca tgtttattac taattataat tttggttacg 300
aaacaggaac aactcgag                                     318

```

&lt;210&gt; 1591

&lt;211&gt; 208

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1591

```

gaattcggcc aaagaggcct actctctttt aaataaaactc cattcttccc attccatgat 60
gtccctctaac tctgtctctg cttttttctgc tctgttttat tctccctcca ctccctgtct 120
cctggcattg ttcactcgcg tgtgtctcat tgcagaagc gtggaggaaa cccctccccg 180
ctgcagccca cccctctctt tctcggag                                     208

```

&lt;210&gt; 1592

&lt;211&gt; 303

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1592

```

gaattcggcc aaagaggcct agacagtcca actagaagag aclygtaaga gattgcagtt 60
tgcagaaaagc aqaggtccac agcttgaagg tgcctgacagt aagagctgga aatccattgt 120
gggtacaagg taggaacaga gttttaaact tgtacaaagt ttaatcattt caaatttttg 180
cattgtttta aaagacaaca ctattctgga taacctgggt tcttctctgat gaacagtttg 240
tttggttggt gttttaacat aatacttttt ttctgttgta gtattgttgg agactctctc 300
gag                                                         303

```

&lt;210&gt; 1593

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1593

```

gaattcggcc aaagaggcct actttaatgc ctttggcctt ccattctgat ttctctgatg 60
agaatattgc tggccctgct ttccttggtt ggtatttgcc aggcccaatg ctctaacctt 120
aagctgatac tttgcttttag atgtcagttc cgttaccagc agccttttga cccaacaacg 180
gcactcgag                                                         189

```

&lt;210&gt; 1594

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1594

```

gaattcggcc aaagaggcct agtaaaaaatg aaaatgaaag atacataactt tatgccattc 60
atatttatga atataggaaa gcacttgaac ttttggcctg tctgtgggtcc ttcagaattg 120
ggcagtggaat catctctgtg gaagcactgt catgtgggta cctcagagcc tgcctctctt 180
tttcagcctt acctcactgc acagctccag ccaaaagggtc acgtgcacca aagggtcaca 240
cctgaccagc ttttaatcat tccatcactt gaaatggcct cactcctcga g                                     291

```

&lt;210&gt; 1595

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1595

```

gaattcggcc aaagaggcct atcccggagc aagcgggnaa agctgctcaa aaaggaaatt 60
gcccttctctc gaaacaagct gaggcagcaq cacauuuaac cctgcccac ggggcaagc 120

```

```

ttggaaggct tggaaagagga cggagctgcg ctggggcccg aggcgggcga ggaagtcctt 180
ccqaggttgg agactcttct ccagccaaag aaaaggctcg ggaagacatg cggagactcc 240
gaggtggagg aggagtcctc aggaagcgc ctggacgcag gtctcaccaa cggctttggg 300
ggtgcgagga gcgagcagga gccggggcgg gccctgggga ggaaggccac accccgacga 360
cgctgtgcct ccgagtcag catctctctc agcaacagcc cgctctgcga ctcgag 416

```

<210> 1596

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1596

```

gaattcggcc aaagaggcct aaaaagacat ggagaaatca ggtttttttg gtgaaaataa 60
acatcaatc ccaatttgac gtgaatatct aaagtgttat gaaaccaact acatatattt 120
ttaaaatgct ggggctcata cgtgaagggt gaggactgtg ggcaaatttg gaaagattct 180
ctacatttaa agattattta agggactggt attatatgca caggataggg taaataatca 240
gtcacacacg attctggagt gaactgggga gaagtatggg atagtgcaga gctcgag 297

```

<210> 1597

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1597

```

gaattcggcc aaagaggcct agttgaactg tgtgttatct gatttctaaa ctctgactg 60
ttcccacaca tcttgacctc cggttgtgaa tataaacaga gacatttaga tgagcatgtc 120
taattggtcat attaaactca gaatttggag actcttgagt ttctttcttt tttctttttt 180
tttgagaca gagtctcgt ctgtcccca gctcgag 217

```

<210> 1598

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1598

```

gaattcgcgg ccgcgtcgac cataccagaa ttttaggatt ttattttacc ttctaataa 60
taattagttc taaatgtgtg ttaacctctt ttcccccac ttaagggtt tgtgttttca 120
tatcttatct ttttgattg ctcttataat aatgaactct tctgttatag gtatgaaac 180
accagaagaa caactggtgt gtgtgccacc acaggaggcc ttctctaacg acccccgggt 240
aataaataga cagagaagtt ctgattacca gtttccatcc tctccattta cagacacact 300
aaagggcacc actgaggatg acgtgttgac aggtcagggt gaggagcagt gtgtgccagc 360
agcagaggca gagccgcctg cagtgcgcgt aaccacgctc gag 403

```

<210> 1599

<211> 117

<212> DNA

<213> Homo sapiens

<400> 1599

```

gaattcgcgg ccgcgtcgac ggtgtagatg atgtttgggg tcaatttctt ctctgcctc 60
ttcacagtgg gctcactgct agaacagggg gccctactgg agggaaacca actcgag 117

```

<210> 1600

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1600

```

gaattcgcgg ccgcgtcgac ccagcatcct aggatctcca aaaggctaga gttcggagag 60
gaaagttaat ctatttatga agtttaggaa aacatctctc gag 103

```

<210> 1601  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 1601  
 gaattcgcgg ccgcgtcgac atcacgaggg ctcccttcca gagagctgac aatattaaca 60  
 gcacagagaa tactaggtct gttgattaaa actcaaggct tcatactgta agggccccc 120  
 aggaagcatt aaattgggcc ataggaagga caagtcacat ccagtttagt gatcaatgg 180  
 gggttgggaa agaaataaca gaattctact cctacatgat agggagagac tacagaggcc 240  
 acctagacca acaaaactctg ccacaggtc cttgaatcat tgctaccatg tctgggtgg 300  
 gggtgtagca ttgctagtga tatgtaacct attacctact tatgcaaacc tcgag 355

<210> 1602  
 <211> 613  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (592)..(601)

<400> 1602  
 gaattcgcgg ccgcgtcgac aaggagataa atatcttgcc ttagtcatta caaagcaata 60  
 tcttgatatg taaatgctaa tctggggcct gggcagtttc aactagaaat atacgtaaga 120  
 tttcagaaaag aactcatabc agtttgggtc tatgtctttt ctttaagttct tactgtgatg 180  
 atatgggttca ttaaaattat tttttttctg atacattcta attaacatga aatcctttat 240  
 gtactgcact agcttttaaaa aataataata attttaagag actccaatga acattaatgc 300  
 atttttttat ttatgcacag caattatatt ccagaagtga gaatcatgtc aattcccaac 360  
 cttegcctaca tgaagggttag taccttgctc attaacagga agaaaaaggg attgatcaat 420  
 gatgtgtgta catgtgtatg tgggtggcag tgtgtgtatt tggcacagga tccagtggc 480  
 aagggataga aaagaagaca gtttgggata ataaagacta aatttgttga cactgagatt 540  
 cttgacaaca gcattctgatg aaaagtaggg agaaggagca ggggtgcacat tnnnnnnnnn 600  
 ntgagtactc gag 613

<210> 1603  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 1603  
 gaattcgcgg ccgcgtcgac gggcgaggtc ggactggaag gtaaaaggtc tgcacagatc 60  
 ttgggagaag agagggtccca gtggggacac gtacgtgtca gctgtgccac actgcttctc 120  
 cagggtgggtc cagtaattgt gaggagcctg cgtcacaggg tagatactga actggcagag 180  
 agcaccttca aactggactg catgcgggtt catcttccca aagagggaagg aqccccagg 240  
 gtccagtgca ggggtccctg tggaaaggca gcaggacagg caccgggcgc tgcctcgagg 300  
 cagtcaccag agtgactgtg cggcatcgga gctcgag 337

<210> 1604  
 <211> 458  
 <212> DNA  
 <213> Homo sapiens

<400> 1604  
 gaattcgcgg ccgcgtcgac ctgggaacct cgttatccgc gatgcgttcc ctggcagcta 60  
 catctctgct cctgggcttc agcacgctg cccaggccga accggtgcag tccaaggact 120  
 gcggttctctg ggatggagtc ataaagggaag tgaatgtgag cccatgcccc acccaacct 180  
 gccagctgag caaaggacag tcttacagag tcaatgtcac cttcaccagc aatattcagt 240  
 ctaaaagcag caaggccgtg gtgcctggca tcttgatggg cgtcccagtc ccttttccca 300  
 tctctgagcc tgaatgttct aagagtggaa ttaactgccc tatcttaaaa gacagagact 360



atagctacct gaataaacta ccagtgaaaa gagaatatcc ctctataaaa ctgggtgggtg 420  
 agtggcaact tcaggatgac aaaaaccata gctctgag 458

<210> 1605

<211> 416

<212> DNA

<213> Homo sapiens

<400> 1605

gaattcgcgg ccgcgtcgac cttaaaagtt atagatttgc aaatttcaaa gaaagccgtc 60  
 ttatttaatt gatatttga aatttataac tcacctttca gtggaatagt ttttgtaaat 120  
 tcatgagaaa gaaacaaaat atcaatttat agtagttgat ggtgttataa atccagaaga 180  
 agctctataa cattataaaa atcaagattg gttgctcaca ttttagagta ccaaaggcag 240  
 caaaatgatg taatttataa ataataaate ttaaactgtt gataaaccaa actctgaagt 300  
 ctttttaaag aggttttattc taagccaatg agtgaccata gcccaggag cagtctcaag 360  
 aggtcctgag aaagtgtgca ctgggtgttg gagttacatt ctaggagta ctgag 416

<210> 1606

<211> 242

<212> DNA

<213> Homo sapiens

<400> 1606

gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaatt ctgacctgc ctgagtcga 60  
 ggatattgac ttctgaatc ttaagtttct ttcttcccag ctctatgagg ccactaatag 120  
 ctctatcaat gttattggcc ctcatcccag gcaacactca gcttctcagc tttttgcctt 180  
 cccagaatca gcaatacat tcagctaaga aaaaaaaaaat agctgcagca catcagctcg 240  
 ag 242

<210> 1607

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1607

gaattcgcgg ccgcgtcgac aatcaggaat ttgaagaaaa tggaaatgtt tacatttttg 60  
 ttgaacgtgt tttttctacc cctcctaaga gggcacagtc tcttcacctg tgaaccaatt 120  
 actgttccca gatgtgtgaa aatggcctac aacatgacgt ttttccctaa tctgatgggt 180  
 cattatgacc agagtattgc ccgggtggaa atggagcatt ttcttctctc cgcaaatctg 240  
 gaatgttcac caaacattga aactttctct cgcaaagcat ttgtaccaac actcgag 297

<210> 1608

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1608

gaattcgcgg ccgcgtcgac cattgacttc ttctaccggc cgcataccat caccctgctc 60  
 agcttcacca ttgtcagcct catgtacttc gcctttacca gggatgactc tgttcagaa 120  
 gacaacatct ggagaggcat cctctctgtt attttcttct ttcttatcat cagtgtgtta 180  
 gctttcccca atgggtccgtt cactcgacct catccagcct tatggcgaat ggtttttgga 240  
 ctcagtgtgc tctactcctt gttcctggta ttctactctt tcttgaattt cgagcaggtt 300  
 aaatctctaa tgtattggct agatccaaat ctctgatacg ccacaaggga agcagaaqtc 360  
 ctcgag 366

<210> 1609

<211> 120

<212> DNA

<213> Homo sapiens

&lt;400&gt; 1609

gaattcgagg ccgcgtcgac gtgcattata cggatttcag tagattcaca ctcaaatctt 60  
 ttcagtgtca tacatttatt aagccataaa gttatgaaac cctcagctct tgtactcgag 120

&lt;210&gt; 1610

&lt;211&gt; 209

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1610

gaattcgagg ccgcgtcgac tgacaccttt ccccaaatat agattacaat aaagaaggct 60  
 actaaatgca tctgaaaagg tggatcctga ctactgttag gctagactcc ctaagctccc 120  
 actatgcccc gctaatttgt ttttgtatct ttagtagaga cagggtttca ccatgtttggc 180  
 caggctgggc tcgaactcct gacctcgag 209

&lt;210&gt; 1611

&lt;211&gt; 230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1611

gaattcgagg ccgcgtcgac attctagacc tgcctcgagt ctaccacagga ctgctttgtt 60  
 ttctttaaaa ccttaagcta actgtaggtc atcattcaca tgcacaaaat ccagccatgg 120  
 cttctctttt aaaattaaca gtgaatatct taccctagg ccatttcta ctctcagcc 180  
 ttaacctctt tccctctctg cactgctatc aagaacccgg cccactcgag 230

&lt;210&gt; 1612

&lt;211&gt; 387

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (380)

&lt;400&gt; 1612

gaattcgagg ccgcgtcgac tgggccttta gaagacttgg cttcttcaat ggagagcttt 60  
 tattcaggag gctgctagca ccagtcctcc ctgcggcctt gccaaagagg gagtgctgaa 120  
 aggggtgcac ctctgtgctc gggtctgact caccgtcacc tggtttcttc tcttcagggg 180  
 aaaagggttt cttattgggg cttattttct tctgtgtcca aaagatagcc atgtctttat 240  
 gccaaacttt ccccttcttt ctagccaggg ctgcagatgc atgatcaaag aaatgtacca 300  
 ctgcaagctt tttgttgcgc ctggtaaaga tgcgttgca cttagcaatt ctgccaaaat 360  
 ggttctccag aatggaacgn tctcgag 387

&lt;210&gt; 1613

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1613

gaattcgagg ccgcgtcgac gtaggaattc cagggttcagg ttccagcaca gccaaattat 60  
 tcacaggatt gttgtgtgaa ctgaatgaaa cacacacata tgaatacaag gtatcttgat 120  
 aaatcagtaa cttttataac accgttgtgc caaaaaaag cttactttta ttactttatg 180  
 tgcattgnot cattaatatc ttctagtgtc cgtgattgtc aggtcagcac tgcagccac 240  
 ttcaagaag aagagaatag gggagatctc gag 273

&lt;210&gt; 1614

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1614

```

gaattcgcgg ccgcgtcgac gtctcttagta ttttaagagge ctctcataatc acagaagaga 60
gtgatattat aggattagaa cattgtattt ttgggttttgg gtgctgaagt tctaatctta 120
cctctgaagt gatcctgata ttttgccaaa gtgtgtgactt taatattctg tggcttgtaa 180
ttgtgatttt tctaatacca gagtagaatt ctgggggagga attttctctaa acccaaatac 240
ctcaatttga agtgaggctt ggcttttaaat aataacacat ttgagtttga gcttttctctg 300
caattaagtg gtatgctgca aaaaggaatt cggtttagcgc tcgag 345

```

&lt;210&gt; 1615

&lt;211&gt; 288

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1615

```

gaattcgcgg ccgcgtcgac cgattgaatg ggggttttgt ggggtctctt tgttgatatt 60
attgtttgctt tctgtttggt tgtttgtttg ttgttttctt tgttttttat ggtcaggcca 120
ctgtctctata gtcctgctgt gggttgctgt ggctgtcttc agacctagt tgcctcagtt 180
tttcccatat ctgaagggtat caccagtgaag agctgcacaaa catcaaagat ggcagcctgc 240
ttcttctctct gcttctctct cgcgcgcagct catgctctga atctcgag 288

```

&lt;210&gt; 1616

&lt;211&gt; 163

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1616

```

gaattcgcgg ccgcgtcgac gtgttcccgga cacaaagaaa tgataaatgc ttcagggtgat 60
agatatgcta attatctctc ttttatcatt acactttata caaatgtatc aaagtctcac 120
actggctggg cccgggtgact cacacctgca gtccgaactc gag 163

```

&lt;210&gt; 1617

&lt;211&gt; 292

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1617

```

gaattcgcgg ccgcgtcgac attttaaaac agctgtccat actttcttga acctaaagcat 60
acaattgaac tgtttccact gcacctgtcc taacatttct ttttgtctca tttctctttg 120
tggcttaatta ttaagataat ataaacttgc attaataaat ttaatgagaa agtgtttagg 180
ctatgtgtgg cagctcacat ctgtaacccc aacactttgg gaggtgagg caggagaatc 240
tcttgagccc aggatttctga gatcagcctg ggcactactg caagacctcg ag 292

```

&lt;210&gt; 1618

&lt;211&gt; 368

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1618

```

gaattcgcgg ccgcgtcgac cacacagtgt taacggatga ggagtcttgt cttgctttgc 60
ttctcttgccc ttttctgtct tgtcattggc tctccggccc tctacacgc acccggcctg 120
ttgctttctct tattctccag ttcctttcca atcccccttc acttctcttt actccccctc 180
cccaggctcag tgcctggcgt ttcctcccc tttctgtctt cccatctctc cgggcagctg 240
tctctgtctg gtctgtctct ctgtctctcc gccctcttac acccaccgc ctgttgcctc 300
tctcattctc cagttccctt ccaatcccc ttcattctct ttaactcccc tccccagggt 360
cgttcgag 368

```

&lt;210&gt; 1619

&lt;211&gt; 108

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<400> 1619  
 gaattcgcgg ccgcgtcgac ggctgggtcaa tcatcagttt aggcctgccat aactaatatc 60  
 atagacgggtg gcttaagcaa cagaatgtat ttctctcacac tactcgag 108

<210> 1620  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 1620  
 gaattcgcgg ccgcgtcgac caagaagtcc aggaacaagt ctcccaaaaa aactgaaatt 60  
 gtactgctct aatgttaaag tcaccttttg catttctctg gctaggagtg aggggaactg 120  
 ggaagaaatga attcctgaca cacctttctt tgggtttttt ttgggtttt gcagtgcctg 180  
 catctacctt cagcccgctc ccaggggcca attacagtc cactccctac accccctcac 240  
 ctgtcccccac ctacactcca tccccagcac cagcctatac cctcgag 287

<210> 1621  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 1621  
 gaattcgcgg ccgcgtcgac gggccccctt tccccagtc ttaacaacaa aaaacaaaaa 60  
 accagcctgg agatctacat tgtgatgctt ttaataaact tgactctttt cttyggcaga 120  
 tgtctcgag 129

<210> 1622  
 <211> 336  
 <212> DNA  
 <213> Homo sapiens

<400> 1622  
 gaattcgcgg ccgcgtcgac taaaatcaga acgtcagctc ccgggtttgtt aatgggcagg 60  
 tgtttcccaa aatttgttgg taaagctttt gtttggatat tcaaatctat tccccctga 120  
 aacaaatata tctacttagt aaatatctgt ggaattatct ttttagctat gagtacaaa 180  
 aaagtgggc tttgtgtcac ccacttacc ctcctcttta gctcctgggg cagacatctg 240  
 gaattcttcc tagcactctt cctgctgata ccagatacaa ctgcagtagt ccataacatg 300  
 accctgcagg tgcccacaa caaggcatta ctcgag 336

<210> 1623  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 1623  
 gaattcgcgg ccgcgtcgac ggattaccag cactcagggc cacaagcat ccattcaggg 60  
 ggcgtcctaa ctgtggacca cctctgctgg cgtgtgggca gtgactccca tcttcaggg 120  
 gcgcacacac cacccaatat gcattgttgg ggtgagqcac ttctcttggg ctccttcaca 180  
 ctacagggtg gcataacca gctcttgggc ctgtccagca ccagtcaga taccctttt 240  
 cttgatgtgta ccattcgagg acttcaggcg gaagcatcag atacctgtgc ccacactcga 300  
 g 301

<210> 1624  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 1624  
 gaattcgcgg ccgcgtcgac tggagatgag tccctgggtt caattcatgc tgtttatct 60  
 gcagctggac attgccttca agctaaacaa ccaaatcaga gaaaatggag aagttctcat 120

ggacgtttcc ctggcttacc gggatgaagc atttgcctgag tggactgaaa tggcccatga 180  
aagagtacca caqaaactcg ag 202

<210> 1625

<211> 219

<212> DNA

<213> Homo sapiens

<400> 1625

gaattcgagg ccgcgtcgac ccacatttcg ttgtgtctg tttccaccat tcatagaaac 60  
cttggaaacca ctctcacagc aatgctagga tgtttcatgg acctgttaag ctttttgatg 120  
atacaagaca tcttatcaat gccagtctta ttttcgctag gactctgctt ccacagtaag 180  
ctcctaagggt gctcacccaa cccaggagaa aagctcgag 219

<210> 1626

<211> 389

<212> DNA

<213> Homo sapiens

<400> 1626

gaattcgagg ccgcgtcgac gttgcagacc tcataatgac gctgacattt ccatttcgaa 60  
tagtccatga tgcaggattt ggaccttggt acctcaagtt tattctctgc agatacattt 120  
cagtcttctt ttatgcaaac atgtataact ccatcgtgtt ccttgggctg ataagcattg 180  
ctcgtctatc gaaggctggt aagccatttg gggactctcg gatgtacagc ataaccttca 240  
cgaagggttt atctgtttgt gtttgggtga tcatggctgt ttgtctttg ccaaacatca 300  
tcctgacaaa tggtcagcca acagaggaca atatccatga ctgctcaaaa cttaaaagtc 360  
ctttgggggt caaatggcat actctcgag 389

<210> 1627

<211> 265

<212> DNA

<213> Homo sapiens

<400> 1627

gaattcgagg ccgcgtcgac cacatagaga ctttaatttta gatttagaca aaatggaaat 60  
tatttcatca aaactattca ttttattgac ttttagccact tcaagcttgt taacatcaaa 120  
cattttttgt gcagatgaat tagtgatgtc caatcttcac agcaaagaaa attatgacaa 180  
atattctgag cctagaggat acccaaaagg ggaaagaagc ctcaattttg aggaattaaa 240  
agattgggga sgctccgaac tcgag 265

<210> 1628

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1628

gaattcgagg ccgcgtcgac gcattctcga agatgaagaa tagttagata ttctctctga 60  
ttattcttagt accattacca catctgagaa aattagcaat aattgttcag tttctctctc 120  
aatctctatt caaaattgtc ccagctctat tttgtgggac ttgaaaaaaa tcagataaag 180  
cagataaate aaatacatat catttatgca ttgatttgtt aggtgtctcg ag 232

<210> 1629

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1629

gaattcgagg ccgcgtcgac ggaggagact gaggatgtta atgaagataa aaagaagtga 60  
catctcttgt aactgaact cacagaacat ttgtttacaa ttctgttnga ctgtctgctt 120  
ggagtttaca tatcaaatgt ctgggtctgt ttgttaagta acgtttccaa acattcttgc 180

```

tggccaatgg gttctataga aaagtcgggt tagtgtagag aaattgaaaa cagatctatt 240
aggttggtgc aattgctttt gcaccaacct aatatttgat ggcagtggtt tatcatgata 300
taccttttat gaattaatgt ttataaatga ctgtactgaa tttaaaaccg tacagtttca 360
tttgcatlct gacattactt tattatacat ttgtcatlta aaaggctgca ccagttgggt 420
ttttctctgt ttattcttca aaatatagag attctgtgat ttatttgccc tgttctgttc 480
gag 483

```

&lt;210&gt; 1630

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1630

```

gaattcgcgg ccgcgtcgac taaaaatagg tttttaaaat ttagctaagt cttaaagaaat 60
ttgcggttgc taataatttt atttccctga gtgcggttgtt ggggagagat tttatatcca 120
ataattttta gttattttgt aatgcagagt gtttatccat ttcacagtcc cgcaatggat 180
gtagratlctt gggattggcc tgtccagaaa attttcagct acacaccttt aaaggaaaat 240
gtttctatct cagatgaaac atgtaatttg ggatggctcg ag 282

```

&lt;210&gt; 1631

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1631

```

gaattcgcgg ccgcgtcgac gagaatagtt cacaagtaag aattaaaata taggcccgtt 60
gttccatttt agtggggggt gatacaaagc acccagaaaag taaatgcttg agaatagttc 120
acaagttaaga attaaaaatat aggcccggttg ttccataatg aaatcctata atttggccat 180
aaaactaata tttttaatta ttgtcataat tggattaggg agcaagggtt aagctgaaaag 240
actcgag 247

```

&lt;210&gt; 1632

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1632

```

gaattcgcgg ccgcgtcgac aaaaaagtca gttgtattgt aactcccttc ctacagacac 60
ctcccataag aataaaacca gaataaggat gacatttttg gtaaaaactat tcactatatc 120
aatattacac attttccctg atatctgtag atctggacaa aaactaggta aaaatctagt 180
tcaagtatcg tgttaacttac agttatgcac caactaccaa cgtttcaatt atttaacaat 240
ggaactcactc gag 253

```

&lt;210&gt; 1633

&lt;211&gt; 388

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1633

```

gaattcgcgg ccgcgtcgac ctgagattga cataatgggt agagaatcat ctacaggtctg 60
ctcaattctc tatataaggc ggtatagtag atgtaacaaag tatactctta actacagttt 120
taaaaattgaa tggaaatgact cagagttagt gcttggaggga tggtttggag gggagcaaaag 180
taaatcacagg gagaccagtt aggagggcct ttttcagggt agagcttata tcttttgaat 240
taggggttatg gttgttagaga agatagatgt agaaggaaat gaaagaattt ttagggatat 300
gtcaaaaata actcctctgt agctttcaca attgggggtt tgttgcctgt gaaggggaat 360
ggtgggttaag ttggagggtt ttctcgag 388

```

&lt;210&gt; 1634

&lt;211&gt; 306

&lt;212&gt; DNA

<213> Homo sapiens

<400> 1634

```
gaattcgcgg ccgcgtcgac atactgatca cgtgggatgt tgtttgccta cagggtaact 60
tgagggggtc aggggtcgta gtggccaga gcatgggtccc cagtggccac ggatgagacg 120
gcgtgtgtgc tgtgaccttg ggcaacttag catcgctgag cctcagagtc agtqtgtaga 180
attatctaag gggcttgta caagatgccg gcttcccacg gcttttgtca gtactcagtt 240
aatctgctgg tgccttgtaaa gcacctgaaa cagggtttgg ccttcagaaa atggcagcta 300
ctcgag                                     306
```

<210> 1635

<211> 203

<212> DNA

<213> Homo sapiens

<400> 1635

```
gaattcgcgg ccgcgtcgac aagtcctttg ccatgaggaa aaagtgggtt ttgcttcat 60
atggtaaatc tatattatc atattgaatg tattaacaga taatgggtga aaagcattct 120
tcccagggga agagtgtatc atgcataact gcaatttaag tccctccttt gataataact 180
caaaacatac acagctactc gag                                     203
```

<210> 1636

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1636

```
gaattcgcgg ccgcgtcgac ctcaagatct ttgcaaatgt ttctgtctg gatcccttc 60
ctcttctctg caacttttcc cctagttacc tcttacaatc ctccagaact cagatgcaaa 120
tcactttctc aaggcctcaa ggaagccttc tgtggccttc cggaacagat caagttcagg 180
tctctgctta ttaccctcac taaactcgag                                     210
```

<210> 1637

<211> 183

<212> DNA

<213> Homo sapiens

<400> 1637

```
gaattcgcgg ccgcgtcgac ccggagtact gttggctacc cctctgcttt cattccaaga 60
ttttttcttt atctttgatt tttagattta tgcagtttaa atatgatatg cctaggtgta 120
gcatttgggg ctttgtgtgt gtgtgtgtgc gcgcgcgcgt gtgtgtgtat gagagagctc 180
gag                                     183
```

<210> 1638

<211> 241

<212> DNA

<213> Homo sapiens

<400> 1638

```
gaattcgcgg ccgcgtcgac gaataatgaa accaacgaat catctggatg ctttttatta 60
tcattcctga gctgaaatcc taaacaatat cagtgataga ataactccca ttggggatca 120
gtatgaagaa ctgtgcttgc acagaaagcc ctccagtcct tctctcttgc tattaatttt 180
ccttgaagtt ccatttctca tcattgaatc aaaatccttc acggggccccc tactgctega 240
g                                     241
```

<210> 1639

<211> 272

<212> DNA

<213> Homo sapiens

&lt;400&gt; 1639

```

gaattcgcgg ccgcgtcgac cagttttaca aqtgccaggt gtgacaagta taccatgtgt 60
gaggttggcg ggaccagtcn atgaggacag gaaagaacag tatgtgggca tctttatttc 120
cattagtcac tttttcattc aacaaataca tqtatgcaa tgcagccttt tgggtgttgt 180
gtctgggcaga taaaagacac atcccacagg gtcttgccct taaggattct ccagtcgggt 240
ataataatat gccaaaaacc acagcactcg ag 272

```

&lt;210&gt; 1640

&lt;211&gt; 244

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1640

```

gaattcgcgg ccgcgtcgac ggtcaggcgg gaaaacggtc ataaaagtat ccaagtaagg 60
aaaaggaaaa gctgggtaag gctgcaagcc ctgcgacaag ggccggccat gcagcccttc 120
cgggtgcagtt ccgggggctg cgtattctct tccgggtgag gtccgggctg ggaggggaaa 180
agctgggacg aqgtaaaggg cctggctggg caccatggcg gcaggtggga aqgtcgggct 240
cgag 244

```

&lt;210&gt; 1641

&lt;211&gt; 555

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1641

```

gaattcgcgg ccgcgtcgac cttecgactgg aagtcgcagc tggtcateca ccgcaagggc 60
caccggccgg aggttccatg agcagccaga cagcacagtc cctcggggcc tgggtgttct 120
cggggcctgg atacagcctc tggggcacca gcagaagact ctggaggcag caggggatgc 180
cagagtgaac aaggggtccc aagccaqtte cctgccccctg gtctgggtct ccccaaaaqa 240
ctgggtgcaa ggaaaaaggag ctgctctctc tcttcttgc cctgcctcct agagggaggt 300
ctgggttccc tcttatggct gaccagtgc tgtgggggtga ctgccaagca ccaggtctcc 360
tccctccctg tgacatggcc tgggctgaca acactccctc tccctgggacc tccctgcctc 420
aggtgggtgt tcaaaaaactg tgccttccca ctgctctgtg cagaggctgg gcttgaggtc 480
tcagtgtgga gagcagcaga agaccagga aagcacagtt ggcttccqtt tctctcgtc 540
cctgtatgc tcgag 555

```

&lt;210&gt; 1642

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1642

```

gaattcgcgg ccgcgtcgac attgaatgta tgtctttata tactttttac tgagattctt 60
ctgtttctat gtagatactt taaatttttt aattatttca agtgtgttca taattgttt 120
ttgaaagggt ttatagatag ctgtctttaa aattcttggt atcttctgtt taattgttt 180
tgttcttctt tttctcatt taattgaggt tctcgag 217

```

&lt;210&gt; 1643

&lt;211&gt; 224

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1643

```

gaattcgcgg ccgcgtcgac attttatat tgggtgtatt aaggctacca aagaaaaaag 60
aatatcgaaa tagatttata ttatagaatt tcaattgtgc cttaacttas tgcctattt 120
tctccatctt ccaagcttgg atgattctta tcccaagtea tccccccc ccaggttgc 180
taggagccct tagctactg cattctctca ggcagcact cgag 224

```

&lt;210&gt; 1644

&lt;211&gt; 249



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1644

```

gaattcgagg ccgcgtcgac ttcttacttc agcagttctt ttgtaaatta catttactgt 60
gtttttcata aaggtagaaa aaaattacca ataatttcag aaccaaaagtc accattatta 120
ccattgacat ttataaaaaat aatgttttat ggtggaatat ttttcaaaaa atactgcctc 180
atcagtgttt ttgcaagtc ttttctgtg ttttttcat ttttctctaa aacaagcaaa 240
aatctcgag                                     249

```

&lt;210&gt; 1645

&lt;211&gt; 479

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1645

```

gaattcgagg ccgcgtcgac gggagggtt tgggttttga gctcagtgtt ctgggattca 60
tatctagagc tctcagattc atagccaggg ctccgggggt cataccggg gctccgaggt 120
tcatagccag ggccttgggg ttcatacctt gggtctggg attcaaaact agggctctga 180
gaatctgatt cagggtcttc gggtgcaaac tcagggtctg ggggcacaag ccagggtctt 240
cgggaactca accccgggct ttcagggtca aatctggggc ttgggggttc aaactctggg 300
ctttgtggct caaaccagg gctctgggg tcaagcccaa atgggtatct ttcgacttca 360
tagtccccac tgcctttctg ctgagaaaatt tctcttctct cattctcact catgltgcct 420
ctgagggtacc ctccggggct cctcatttct tcagaactct gcacatctct gggtctcgag 479

```

&lt;210&gt; 1646

&lt;211&gt; 235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1646

```

gaattcgagg ccgcgtcgac atactataag gataaacaac gtcaagtcca taaagcaata 60
atccctcaga aggaaagtcc ttacttttca catattaata tttagtaatt tttcttgcct 120
ctaaaagtga gagtatcaca ccttaaatga acactgtcta ctaagagaca tcatttcatt 180
tccacaaatg aagattttat tccaagaaac gagtttactg attggagcac tcgag      235

```

&lt;210&gt; 1647

&lt;211&gt; 357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1647

```

gaattcgagg ccgcgtcgac cttgttagct atggccctcg tactcggtct cctgttgcctg 60
ctggggctgt gcgggaactc cttttcagga gggcagcctt catccacaga tgcctctttag 120
gcttggaatt atgaattgca tgcaacaaat tagagacctt aagactccca taaagctttag 180
cccattggca ttctctttag actagtgcct atcttctctt atgtggtaaa gcgcgtgat 240
ttcccagaag atacttttag aaaattctta cagaaggcat atgaatccaa aattgattat 300
qacaagattg tctactatga agcagggtat attctatgct gtgtcccgag gctcgag      357

```

&lt;210&gt; 1648

&lt;211&gt; 208

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1648

```

gaattcgagg ccgcgtcgac gtaagctggg ttctaccttc aggggtttta tgaaaaatga 60
tctgggttat cagaaaaaqa tcttaaaaca gaaaatgacc tttctgccag tgacttctga 120
atgttttctt tctttgggtg tccacctaac aaagtgtctg tttttgccc accaaagtgc 180
agctttgggt gggacgaggg aactcgag                                     208

```

&lt;210&gt; 1649

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1649

```

gaattcgcgg ccgcgtcgac gcctctataa acctgagtat tgactgctaa aagtcfaat 60
ctgctgttca ttcagaaaat gagggtaatt aacttgagta gcattgtttt tcttgccctt 120
tcactccac ccagggccct ggcagtgcgc gag                                     153

```

&lt;210&gt; 1650

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1650

```

gaattcgcgg ccgcgtcgac ctactacaga gttaggctta actccaccca acagccaagt 60
ctgaaaccac tgacggtaac atgagggctt tcattttctt tctcttcatt ctccggcca 120
tgtttctcgc attttcaacc cagatttcaa ataccagtgt ctccaaacta gaagagaatc 180
caaaacctgc acttattctg gaggaaaaaa atgaagctaa ccattctagga ggacgactcg 240
ag                                     242

```

&lt;210&gt; 1651

&lt;211&gt; 286

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1651

```

gaattcgcgg ccgcgtcgac ccaaaaccaa agaggaaagc caaatactac ctaagacaca 60
ttggcacttg agtatatatt agaaaactat gcaaataata attgcagctt ttgccagagc 120
tcaatttgcct acttcagaga ttatatgtct tataacccaa ctgcaacttg ctgctgtggc 180
actgaactgt atttccagtg tccccatcg tagttctaatt aggggtacta atattttaa 240
aatatttgaa ttcctttgtc ataattgaat tgccaaccaa ctcgag                                     286

```

&lt;210&gt; 1652

&lt;211&gt; 221

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1652

```

gaattcgcgg ccgcgtcgac cagaqctac atagaactat gcttcgtggg gttctgggga 60
aaaccttctg acttgttggc tatactattc aatatggctg tatagctcat tgtgcttttg 120
aatagcttgg tgggtgtgtc atgtgtctct gaccatcaat ggagctaca attcaaaatt 180
cagatattgt ctttgagaa aatcttagtc gatctctcga g                                     221

```

&lt;210&gt; 1653

&lt;211&gt; 319

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1653

```

gaattcgcgg ccgcgtcgac ctatgttgc tggctgaata acataataat atatagcaat 60
aacttttca ttgatttgaa taaatctatt gcataaaaat aggtgcacta ttgtagtgg 120
cccagacttt atttaaagaa aagcagttta aaatagattc atcacatatt tagtttttaa 180
tccccaatc agttttcttt gtttatagca atcaaatat taaatatatc ctattataat 240
atttttaate cctattccc aaaagataag ggaatttgaa agactgtgga aaatgatttt 300
aggacgggca taccctgag                                     319

```

&lt;210&gt; 1654

&lt;211&gt; 319

&lt;212&gt; DNA

<213> Homo sapiens

<400> 1654

```

gaattcgccg cgcgctcgac tgccaatggt ccacgcttgt ggaatcatgg cactgggtgc 60
agcatacctc aactttgtaa gtcagatgat agctgtccct gcattttgcc agcatgttag 120
caagggttatt gaaattcgaa ctatggaagc cccttatttt ctaccagagc atatcttcag 180
agataagtgc atgcttccaa aatctttaga gaagcatgaa aaagatttgt acctttctgac 240
caacaagatt gcagagtcgc taggtggaag tggatatagt gttgagagat tgtcagttcc 300
gtatgtacca ctactcgag
239

```

<210> 1655

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1655

```

gaattcgccg cgcgctcgac aggtttctga gacatctttg gtttctaata tcttccatgt 60
caacacggat gatcacaggg tctatggtac cgttgcttca ggtgatatac aggggtttctc 120
ctatgtcttt tgaagattct agtcgaatca tcccactctt ttatcttttt agtcctttgt 180
ttagtcatte actaatttcc atacatgata acgaattcta cgggtgatctc gag 233

```

<210> 1656

<211> 585

<212> DNA

<213> Homo sapiens

<400> 1656

```

gaattcgccg cgcgctcgat ttagcctgga acagagccgc actcggcctg agcggctgta 60
tatccagggt ttcttgaaga aggatgactc agtgggctac cgggcttttg tgcagacaga 120
ggatcatctg ctacttttcc tgcagcagtt ggcagggaag gtgggtgctgt ggagccgtga 180
ggcgtccctg gcagaagtgg tgtgcttaga gatggtggac ctccccttga ctggggcaca 240
ggccgagctg gaaggagaat ttggcaaaaa ggcagatggc ttgctgggga tgttcttgaa 300
acgcctctctg tctcagctta tcttgcctga agcatggact tcccacctct ggaaaatgtt 360
ttatgatgtc cggaaagccc ggagtcagat taagaatgag atcaacattg acacctggc 420
cagagatgaa ttcaacctec agaagatgat ggtgatggta acagcctcag gcaagctttt 480
tggcattgag agcagctctg gcacctcct gtggaacaag tatctacca atgtcaagcc 540
agactcctcc tttaaactga tgggtccagag aactactagc tcag 585

```

<210> 1657

<211> 340

<212> DNA

<213> Homo sapiens

<400> 1657

```

gaattcgccg cgcgctcgac tcatatttgt ccccatgga cagcttttctg tctctaatac 60
catacactca gtgcagggtc tgaatgtccc cccaaactca tatgttgaac tccaaatccc 120
caagggtgtt gtatnagatg atgtagcctt tgggaaggaa ttagggttgt gccctcatga 180
atgggatttg tgtcatnata aaacaagccc aaagaaatct ggtcaccctt tcttttaagc 240
gaggtcatyg caaaaagacg ctgttatatga accagaaaat gggctctcac tagacacca 300
atgtctggtgt cttgttcttg gatttcccag cccactcgag 340

```

<210> 1658

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1658

```

gaattcgccg cgcgctcgac agcacacctc aaactaactc agtccctatc aaacctttga 60
tcagtaactc tctgttttca tccagcccaa aggttagtac tccagtagtt aagcaaggac 120
cagtgtacaa gtcagccata cagcagcttg taatttgtga caagcagcaa ggtcatgaac 180

```

```

ctgtctctcc tccaagtctt cagcgctcaa gccagagaag tccatcaccr ggcccccaac 240
atattctctaa tagtagtaat gcatcaaatg caacagttgt accacagaar tctctcgccc 300
gatgcctctg ag 312

```

<210> 1659  
 <211> 219  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1659
gaattcgagg ccgcgtcgac gctactggct caaattcagg ttctggcgct aaatagcgac 60
atttcagtt tctcttaaaa accgtgtttg gtttcagttg ggataggctt gtttctctg 120
ttgaaaatgt ttctagtttt tttcttttca tttctctctc attccatttc tgccttaact 180
ttagtttgtt cacagggagg caaagctgac aatctcgag 219

```

<210> 1660  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1660
gaattcgagg ccgcgtcgac agctactaaa tctgggtctaa tagtcaagac cctcgattt 60
gaagttctaa tttctattat ttagttcata actaaaatga ttctctcttg gaataaactt 120
gtactcgag 129

```

<210> 1661  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1661
gaattcgagg ccgcgtcgac gttatgtgac cagaagatct gagtgtttca ttagraattg 60
gaattctctt ctggaattctg actatcccag tggaaaaggg agatcctccc ggcattctga 120
tctctctctg acatttgatt ccaattggaa aactttgggt ctgcctttctg aggcacagag 180
ccgagggttg gctctctcca acaggcagtt acagcttgaa ttctgcttct tccccagac 240
tcgag 245

```

<210> 1662  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1662
gaattcgagg ccgcgtcgac atgtgtgaag ccttcttcca gcaagaagca aaagaaaaag 60
aaagagctga acccagagca aaagtcaaaa gagaagctga aaaggagaca tgcgatgaat 120
ttcggagact ttgcaaaaat gaaaaacttt tctgcacaag agaaaatgat cctgtgcgtg 180
gccagatgg caagacctat ggcaacaagt gtgccatgtg taaggcagtc ttccagaaaq 240
aaaatgagga aagaaagaga ctcgag 266

```

<210> 1663  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

```

<400> 1663
gaattcgagg ccgcgtcgac gaaaaatttc tttttcacag tctcagctct agacaattgt 60
tatcttcttg gatgttgccc tcatgttgcc agaattgtgg attttacaag ggaagccaqa 120
aatctgggtt ttcagataaa tttttcact atttttattt tttttattta ttttttgaga 180
tggagtttct ctcttcttgc ccaaggcgga gtgcaatggc gcaatctcag ttccagcaaa 240
ccccactctg ag 252

```

&lt;210&gt; 1664

&lt;211&gt; 335

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1664

```

gaattcgcgg ccgcgtcgac ctgaaatggc tgtctgtcat gcttgcatt tttatgaaac 60
actttattgc aggtcagcta ttattgcacg tgctacttca agtcactggc tcaggctggg 120
gtcatgtgtg gtttgcgtga aacggcagcc tgccttgacg tctgagctct tcttggaac 180
agcagtcctc tctagctgat gccacatcag cttaagtca ttaggaagat attctaggcc 240
ccttgcttgc tcagccatca gtctataaat cacacaacac taattttcca tcaagtaaca 300
gcttaaaaca gaacactgtc aaaccacaac tcgag                                     335

```

&lt;210&gt; 1665

&lt;211&gt; 230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1665

```

gaattcgcgg ccgcgtcgac ctcagatctc ttaatggaaa gctttgatat atttcattgtg 60
tgtttttaaa tagcattcaa tctatgttta aatataggag tgctctgtga gtggctcccg 120
gggagcagcc ggaagtgttg tactcggtc tctatttgtt gtgggagagt cttctctgtg 180
actgtggatc tcatatttat gaggactgca tgcaaggatt gcctctcgag                230

```

&lt;210&gt; 1666

&lt;211&gt; 260

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1666

```

gaattcgcgg ccgcgtcgac ccccttttat catttgcac agaaggctgc tgtctccctt 60
ctgatttggg gggcaggtat tgcttttgag ccagtattta acagagtttt ttaattctata 120
agattttttt tgaattctatt tcattgtgtt tgcttttcat gttggaacaa tctctcttga 180
agtgcctctt cttgtggctt ttacaacttc attctcttct ggggtcactt gtgatgggt 240
ttgatgtggg ggagctcgag                                     260

```

&lt;210&gt; 1667

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1667

```

gaattcgcgg ccgcgtcgac caccgtcaat gaaagtgtct gacctttctg cctctgcctc 60
cttactctta gcttgcctgg atgggaccaa tgcctaccag gatcttgttc cctctctctc 120
accgaactgg tctgtctctc gcttcaact gacttgcctc ctcagcagcc aggcacagcc 180
tgctctctcc tctctctctg ag                                     202

```

&lt;210&gt; 1668

&lt;211&gt; 275

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1668

```

gaattcgcgg ccgcgtcgac atttgatagt tgattttcat atgtcttcta ccttttataa 60
tcttccattt cactcattgc tgtcttttct gtgatattt aaaatttaac tatttttatt 120
tcttttataa attttctctc taatctctgt gtgggtcaat tctgtgtttt tttttttttt 180
ttgtaatgaa atgttttgat tctattctca tttcttttct ggctatttta aagatatata 240
gtattttctt tgtgggttacc atgggggaac tcgag                                     275

```

&lt;210&gt; 1669

<211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 1669  
 gaattcgcgg ccgcgtcgac cccattcacc ttattctttc ttaaataaat atctaatacat 60  
 gttatttccc tgcctcaaaa actttctaat tatttccctg ttgtcttcaa gatcagacca 120  
 aacttcccag caacactctt caaaatctga ttccagcctc ctggtacagt gtcattctctc 180  
 ctccagcacac tccaggtccc tgacacacga gccagtgttt ctctattcc cattgcctat 240  
 aggatctctc cccaccatg acttgtcccc ctgcacctgc ctgcag 286

<210> 1670  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 1670  
 gaattcgcgg ccgcgtcgac caaaacatct gcacgacagc tacgggcagt tcataaacac 60  
 aggagatctt gaataataat caaggattaa ttaagtttaa agcgtatcac attttgtacc 120  
 agtctcagaa tctgggggag gaagaacaat taaaaaagaa ttagggggtt ttattggtaa 180  
 atccaaattc attcctaaat caaatgatga aaatatttgt cgttgttaat actctaacc 240  
 atttaatatg tgctgtcttc ttcaaaacac taggaagcac cccactcgag 290

<210> 1671  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 1671  
 gaattcgcgg ccgcgtcgac ggtggtagaa gtaacctgaa atagagatac atttaaatat 60  
 ctgagtgagt gatttcagca aaggagagag acctgtgtt actatttttag gagtgtcttt 120  
 gattgtgtga acccgttgaa tacaccactt actaacagag cccggccatt ttgtctagat 180  
 tattcagagc tctcaggccc attcagaatg aaattcaaaa tctttaccat gacgtctgag 240

<210> 1672  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 1672  
 gaattcgcgg ccgcgtcgac cttagctgtt aaaacttcta gattgaaatt tqacagccag 60  
 gggtacatat tggggacttt taaagtgtct ttccaaagag atttcattaa ccgttttagat 120  
 tagaatatct ttcccaattg ttacagtgac atatatgttg caatatttaa caactggagt 180  
 attagccaca tgggttatct ttccaaatct tgttttgaat ttttttatig tgtgttaatt 240  
 aaaaattttac atattgagcc gggagaaatt tgaat 274

<210> 1673  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<400> 1673  
 gaattcgcgg ccgcgtcgac tggaaatata aattttcatt tctttttcta acacttgagg 60  
 tttctacttg acacaggcaa gaaatagagt ggagctttat tgtagcctct gctttcagaa 120  
 acaggacata atattagttc atttcgaagg atggggacat cttaatttag ttaattctaa 180  
 ggaattttta tttgatgttt ttagtgtctt atattcacct tctagtgtat agtctcgag 239

<210> 1674  
 <211> 297  
 <212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (22)..(24)

<400> 1674

```
gaattcgcg cgcgctcgac cnnnaaacgg tcgattgaat tcataccttg tctcagatct 60
ctcctggtag ccttcccca cgccttaga taatccatct caattcctca tgctaattga 120
ggagctatgg ctgcaaggca cctccagga ttccacacct acacaaatct cctttttctc 180
cttttgctt ctctgcttat gggatattct gagtccccc cccaatcac tgacagctgg 240
gcccccttca tcagcctcac acaccacgta ttaagtcagt cacaatctcc cctcgag 297
```

<210> 1675

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1675

```
gaattcgcg cgcgctcgac tgaaactata tcatttattt ttccatttat cactgctgtt 60
gtgttttggt taattttaaa ctgtttcttc ctacttgagt ataagttcca gaaggcagga 120
gcttgctatc ctattccact aaggtaaggg taccattatt taaaacagta ccttaagttc 180
aaaatatgaa cagttcagca ataagagcta aataatagtt taacaaaatg ttatcacata 240
ttcacacaat agcgttcgag 260
```

<210> 1676

<211> 376

<212> DNA

<213> Homo sapiens

<400> 1676

```
gaattcgcg cgcgctcgac ggcgtgacag aatgggtgctt ggaagggttt acttgctctg 60
cctgctgctg gggtcctctg gctctatgtg catcctcttc actatctact ggatgcagta 120
ctggcggtgt ggcctttgctt ggaatggcag catctacatg ttcaactgga acccagtgct 180
tatgggtgctt ggcattgggtg tattctatgg aggtgggtca ctgggtgtacc gctgcccc 240
gtcgtgggtg gggccccaaac tgccttgga actcctccat gcagcgtgc acctgatggc 300
cttcgtcttc actgttgttg ggcgtgggtgc tgtctttacg ttccacaacc atggaaggaa 360
tgccaaccat ctcgag 376
```

<210> 1677

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1677

```
gaattcgcg cgcgctcgac ctttggtgct agtccaaate ctctgatttc ggtttgattt 60
gtcctagcag atccctgaac ttcagagagt attgccattt ggattcatgg agttggcgaa 120
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<210> 1678

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1678

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caaatgggtg ctctcattgg tgcgtctcnc ggcataaggt catctctgca gaagccattt 300
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<210> 1679

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1679

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tttttatttc ttattttctt cttttctggg actgccagct cgttcagatt cctccacctt 180  
ccttctgggg gtgctgcctt atcagcccca cctttcttat tctagaagt gaaagctggc 240  
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<210> 1680

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1680

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cctcagcgat ggagtttagg ttccaggccc acgtggtgaa cgagattgtg agtgtaaga 300  
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<210> 1681

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1681

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cacatgaagg tcttgctacc ctgctccttc cattcccgca cctgcttctg gatgtccgc 180  
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<210> 1682

<211> 275

<212> DNA

<213> Homo sapiens

<400> 1682

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gggtccactt ctgcaaggca accccagtc cattgtggat ggagctaccc gcacagacat 180  
ctgcacaggga gcaatggggg actgctgggt cttggcggcc atcgctctcc tcactctcaa 240  
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<210> 1683

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1683

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tatgtttctg tatccaccat cccataaaaa ctatggagaa gaccagttca atggcctat 120



gggtgtccat agtggggaag aactccagct caccaccact atcaccatg tggacggacc 180  
 cactgagatc tacaagcgac tcgag 205

<210> 1684  
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 <212> DNA  
 <213> Homo sapiens

<400> 1684  
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 gatgaatgta caatgtacct ctcccatgag cgaggacgca agggcagtcg tcaccgcttt 180  
 atcacagaga aacgagtctt taagaactgg gcacggacat tcaatattca cttttttcaa 240  
 ccagactgga aaccagaatc acttgcaact cgag 274

<210> 1685  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 1685  
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 ctccccacga ggactctctc tagcgggtgtg gacttcggcc acctgtcttc tgtctctgga 180  
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<210> 1686  
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 <212> DNA  
 <213> Homo sapiens

<400> 1686  
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 accaaataat ttaaaaagcat ttttaataga cttttaaaaa tatgctaata aaatctagtt 180  
 atctcttqta ccttcgag 197

<210> 1687  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<400> 1687  
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 gagctccggg agcgtggacc tccagacacg gatcatggag ctggaaggca gggtcgcgag 180  
 ggcggctgca gagagaggcg ccgtggagct gaagaagaa gagttccagg gagagctgga 240  
 gaagcagcgg gagcagcttg acaaaatcca gtccagccac aacttcagc tggagagcgt 300  
 caacaagctg taccaggacg atctcgag 328

<210> 1688  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 1688  
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gtcagtggct tccccagga tgtggattcc gctcagctct ctgagtactt cctagcattt 300  
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<210> 1689  
 <211> 406  
 <212> DNA  
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<400> 1689  
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<210> 1690  
 <211> 221  
 <212> DNA  
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<400> 1690  
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<210> 1691  
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 <212> DNA  
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<400> 1691  
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 ttcagaacag tgttcataac tcatttgcac agcattccat ggtacacagg aaattgtatc 180  
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 aactcaaggt atcactcgag 320

<210> 1692  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 1692  
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 atttattacc acactccctt gttgacctat agaactccct acccugacac gtaattggaa 180  
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<210> 1693  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

<400> 1693  
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 caagcacaat ctcgag 196

<210> 1694  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 1694  
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 catgcagtgg ctctccattt gctctgggaa cagtgcctct gtctgggta tatgtatgca 120  
 ccacatgtgc acacacgggt gtcggtgcaa ctaccagca ggtgtgcagt aggcaagctt 180  
 gaaggtaggc catgcttctc tgtgtcaca caacacctcg ag 222

<210> 1695  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 1695  
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 aaaactttat gtttgccttt ttgtgtgctt gtaaaagggt atttgccatt ctgtgtcagg 180  
 ttttgggtgt tagttgcatt ctacttactg cgttttgcca agcacaactc gag 233

<210> 1696  
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 <212> DNA  
 <213> Homo sapiens

<400> 1696  
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 gtaacctggt cttgttgcgt ctgtgttcag ctatgggaag taccaggga ctaagtatta 180  
 ttttatttat ttgtttgttt atttctatcg gtttcgggg ggcactcgag 230

<210> 1697  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 1697  
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 acagggttaag qgggtgcttc cagctccta acccaagcc agctgttcca ggctccaggg 180  
 gaaaaagggt tggccaggct gctcctcgag 210

<210> 1698  
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 <212> DNA  
 <213> Homo sapiens

<400> 1698  
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 aataaataaa acattcaatg tttttctctt ttctctcttt attactcttt tcttttgcca 120  
 tttcaattt gaattgcttt cttttgggtg ttggttttat tctctcccaa tctctcgag 179

<210> 1699  
 <211> 224  
 <212> DNA

<213> Homo sapiens

<400> 1699

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taatatcca cagtaattta ttgaacactg tactgacaat gaaaaacaga gtgggttgtt 120
gcgtacttga agtacagttt ctgctgaata cutgttgctt ttgcattctg gcaaagtcaa 180
aaactetaag tcaaaacaatc ataaatcaaa ccatgacact cgag 224
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<210> 1700

<211> 202

<212> DNA

<213> Homo sapiens

<400> 1700

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gaattcgggc aaagaggcct aggacagggt tttcatggaa acagtgaagt aaatgcaata 60
ctgtctccgc gatcagaaaag tggaggcctt ggtgtgagca tggtagaata tgtattaagt 120
ttttctcttg ctgataaatt ggattctcga ttttaggaagg gaaatttttg cactagagat 180
gctgaaactg atgaacctcg ag 202
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<210> 1701

<211> 106

<212> DNA

<213> Homo sapiens

<400> 1701

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gaattcgggc aaagaggcct acacagtgat tccgatgtgg agccagcctt ggaagcctct 60
ccgtggctta aggacccccg ctgctttctg gccccaattg ctcgag 106
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<210> 1702

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1702

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gaattcgggc aaagaggcct agtgtaaatg caacaaagaa aaaggcccta agcttctctt 60
cttattagat atatttttgg caattgattt aacttttggc aaccttcagt ttctaatct 120
atgaaatgat agtgataagt ttgcatata gggttgttac gaaaattaaa tgagataatg 180
tgtaaatcaa ttacacacgt gtctcacacc tagaatgcac tcaaqaata atagccaata 240
ttagattagt catagttata gaatatcacc aagggcctac atttgtataa aacactgect 300
ttacacacaa tatccacaag tctcgag 327
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<210> 1703

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1703

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gaattcgggc aaagaggcct actctactcc ctcatccggc cagtactatg caaccatcaa 60
ctctctctct tggtaggtaga ttgatactgc cactctatgc cacttgcatc attgtatatt 120
ctattcagat ctgtctagtc aatttagata agaccaagga actcgag 167
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<210> 1704

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1704

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ctatctgggtt tcttttctct caagctctac ggtatctatc gacagttctt gtatgttagg 120
tttgaggcga acaaatctctc ttggcttttg tctctctgaa aatatcttct tttctctctt 180
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agtalacttt tttctgggta tggattccctg ggcttgcagg gtattccccc ttgtccgagt 240  
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 agctgtcaca ctcgag 316

<210> 1705  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 1705  
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 tgtccattta ttctctcttg gtgatgttaa ttttgattac cctgtcaaga tgttgtgtgg 180  
 tttttccctt ctataattac tgctctttcc cctctccctt gagacgaata agcaatctgg 240  
 ggtgcatttt aagaccatac aaatacaata atactatggc caccctccctc ctccaaccca 300  
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<210> 1706  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 1706  
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 aaagaacaat atgaagatgt gggctctagt cactgttgcg ttactaagtt tctatctgtt 180  
 acctagaata agtcatcttt taaggctcca gattttttccc actacgaaac tcgag 235

<210> 1707  
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 <212> DNA  
 <213> Homo sapiens

<400> 1707  
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 tgtgtttctg ttatggctgg ctctctgtca ccccatgaa aatacggcag tatcagagat 180  
 aagtaatcag gtaatatcag agataagtaa tccatcgaaa gcccaactcg ag 232

<210> 1708  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens

<400> 1708  
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 ccacacattt atcataccac agtgatctga acccatttag ggaattataa gctacagttg 180  
 gtcattgttc aggcctagca actctggcct tgtcacattg catctctctc cactccccgt 240  
 gctaccacta atctctcagg actgagattc aaggttttgc tagtaagagg cttggaaata 300  
 atcatataaa acataatagt gtggcatggc aagctcgag 339

<210> 1709  
 <211> 198  
 <212> DNA  
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<400> 1709  
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atTTTTttga gacctcgag gccctgagct tctccaccac tccctcagac agaccagtgc 180  
tccctcgag 188

<210> 1710  
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<212> DNA  
<213> Homo sapiens

<400> 1710  
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agtgcctgg catgatctca aaaacaaaag aaataaaaaa taaaaataaa aggttctgt 180  
gagcaactcg ag 192

<210> 1711  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 1711  
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ttattacctt gttgccagga caccgggttc ggcccagcct tgattcttcg gyaatcactt 180  
ctccctcgcc ggcctgttta ctgcctccac ggatcactca tccctcgag 228

<210> 1712  
<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 1712  
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atcaattagc tctaaacatg ctatttttaa aatgcccttc aaacgcctct aatagaatcc 120  
tgtggcaaaag tgaagaatcc tttacatac acagtacaga tgtatcaaaa ccattgactg 180  
ttttgtttac acacatgaca gaacccctcg ag 212

<210> 1713  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 1713  
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tcttcagatc tcccaqtgag tgttctctct cgttttatlc ttaccttctt ttgggcacaa 180  
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<210> 1714  
<211> 272  
<212> DNA  
<213> Homo sapiens

<400> 1714  
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tagtaagaat ctcagggtta tgcattatcc ccaatggagg tatgacatat aatctttctt 180  
gcctttactt atcaattcac caaggagctg tttctctgc atctaggcna tcataatggc 240  
aggtcgggta tgaactcagaa gcttgcctcg ag 272

<210> 1715

<211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 1715  
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 gtctcgag 128

<210> 1716  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 1716  
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 aggagtgcag tggcggggtc ttggctcgtc gcaacctctg ccttccaggt tcaatagagt 180  
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 ttttcacatt tttagaagag gtctcgag 268

<210> 1717  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<400> 1717  
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 aacagtcaaa ggaggacagg aggggagcca gctggttaga gggagcagca accgtgtgtg 180  
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<210> 1718  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400> 1718  
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 ctgcgaattgt cacctgggct gcagtgcggt ggcgcggtct tggctcactg cggcctctgc 180  
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 caccacaaca ccaggcaact cgag 264

<210> 1719  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<400> 1719  
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 tttattccct tgactcaaga cagctaaact cactttcaga actgttttaa accttttgtt 180  
 gctgggttat aaaataatgc gtgtaaatcc cgag 214

<210> 1720  
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 <212> DNA  
 <213> Homo sapiens

<400> 1720  
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 tttgtcttaa atgacaaaata ttttattcat cctttctctt caaacattat ttaacaaatg 180  
 tacgttttaa tgtttgctct cgag 204

<210> 1721  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 1721  
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 tttgtttttt ttgagatgga gtcttgcctc gtcacccagg ctggagtgcg gtggcgtgat 120  
 ctacgtctgc tgcagctcc gtctctcagg ttcacgccat tctctctgct cagcctcccg 180  
 agtagctggg actacaggtt acaggcgccc gccactatac ccggtcact cgag 234

<210> 1722  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 1722  
 gaattcgggc aaagaggcct atgattgcga aggaataaac taagccaatc taaatttcac 60  
 tctagaatta gttaaagtgt tgattaaaag gaggagttaa ttttgaatta aattagttaa 120  
 gagagtqaga aatctgatag gagttaacat caacacatac accacaggct ttgggttcaa 180  
 gtaggccatg ctacacattc tactgggatg tctcgag 217

<210> 1723  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

<400> 1723  
 gaattcgggc aaagaggcct aagttttcaa ccattattgc tttaaatatt tttctctctc 60  
 ctttatcttt cctccacttt tctggtaact ttttctatgt tatgttggta cactcaatta 120  
 aaggatatct acattctctt gaggtccgtt ccatttttgt ttttattgtt gttctatttt 180  
 ctgtctgttc tttgggtttt gtaatcgta ttgattcaat caattattct tctgccagtc 240  
 attctgag 248

<210> 1724  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<400> 1724  
 gaattcgggc aaagaggcct aagctatatt tcagaaggaa ggatgggtgc aattagatct 60  
 ttatctctta gcatctcttt actacctata tggcatgac tatgttttgg tgagctctta 120  
 qacacacaca cagaagatct ggtccagtta agtgcattga aaaagccacc aaatgaaggc 180  
 attctatcca ccaagatcct gtccaagagt aacctgaggt gtctcgag 228

<210> 1725  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 1725  
 gaattcgggc aaagaggcct agttgagttt gtcattaaaa tctataacca gctgcggtta 60  
 caqacaagcc ttgggtctgg gagtcttaag cctcggtaac tgcataaaaa ctacgcctcc 120  
 agttaggata gaattgtgtt cttctctggt aaaaataggc aaacacatct aagaaaatat 180



atatgtatgt atgtgtgtat acagtggaaat tcaaaaggacc aaagcaaaaat ctgaacagga 240  
 ttcctcgag 249

<210> 1726

<211> 436

<212> DNA

<213> Homo sapiens

<400> 1726

agaattcggc caaagagcct actggcatgt ctgagcataa gcctgacagt ctacttttcc 60  
 agctttcact tttcctttta tcatcctagc caagagctca aattctggag caaaattctg 120  
 gcaagggtcca caccaaggag catagaaatc aatcacccaa tgatttttcc ctgttagaac 180  
 tttttcactg aaagtctgag gtgttagatc tgtggatact tgaggtaaaa atcctagacc 240  
 ccagattctc aggggaataag catccctatt ccaaccattg taactgtgat actgataagc 300  
 tttatttgat tttgggggaa aaaatcttat ctcagggtat ctttgaacgt tttcctgggc 360  
 acaaaaagaa tgatactgtt ggcaatctat actgcccacg ttgatcagtc cagttaatgt 420  
 ccgggcctgt ctcgag 436

<210> 1727

<211> 367

<212> DNA

<213> Homo sapiens

<400> 1727

gaattcgggc aaagaggcct actgatacaa tcaagaagca gaacattccc atcccacaaa 60  
 gatctcttat cttgcccttt tactgccgca caaatccctt cttcctcttg ccccatcctt 120  
 aacctctgac aaccactcat ctgctgtcga tttctgtaat tcagtcattt caagaatgtt 180  
 acataaatgg agttgtacag tatgtaacct tttgagactg gctctttttt cactgagcat 240  
 aattctctgg agatttatct acattatctt atatatatcc atggattgtt cctgtttatt 300  
 cctgagtaat attccatatt atggatgtat cagtttggtt aactgtttag ctgttgaagg 360  
 actcgag 367

<210> 1728

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1728

gaattcgcgg ccgcgtcgac cgattgaatt ctgacctgc ctcgagcgag acttgggtta 60  
 aaaaaaaaaa aaaggtagcc ctttactatt agaccgattt cttccgcaat acagagcagt 120  
 agctgagaat catgtgtgtc tatgtggcat tttctgttac ttgcttctgc catgccatgc 180  
 cttttctcat ccttggagcc agatcaccat ccaaaaacac tcgag 225

<210> 1729

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1729

gaattcgcgg ccgcgtcgac cccagggacc ctgagagcac tttagtctaa tttctctctc 60  
 ttttaattatt ttaaacctcc agaggaggac tggttttctc ctgtgttttt ttaattatag 120  
 gcaagtggaa cctctaatcg accacctgt ttttcagcct aactcaggtt tgggttaaaa 180  
 ttatcagttc ccactttctt tgcctgcatc tcaaatgcaa cacaggagaa cagttttccc 240  
 ttgcaaatte acaatgtgt taaatatttg tcccttatca tacattctat taaagtcttc 300  
 tattattgga tttctttcta cttcccccct cagttctgct cattcactcg ag 352

<210> 1730

<211> 145

<212> DNA

<213> Homo sapiens

<400> 1730  
 gaatttcggg ccgcgtcgac ctcaaacctt ggtgtacata ccaatgatca tcttaaaata 60  
 cagcttcttg gccctcactg cagcagtttc tgtctgttct tatccagtac tgcacacctat 120  
 tgggcaagct ctccagaagc tcgag 145

<210> 1731  
 <211> 341  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> unsure  
 <222> (25)

<220>  
 <221> unsure  
 <222> (306)

<400> 1731  
 qaatttcggg ccgcgtccac gttgnttggg caccaggggtg qaatagcaga gaacggctgc 60  
 ttgtgtttga attccagctc tgcaccttcg atagatttct gaactgagac atgtgactct 120  
 ctaggcctat ttctgcctgg gtccggagagt gggcgggact gctttactga gttatagtga 180  
 atgtagtttt aacctaaagc cctcacatga ctaactcttc atccatcaag aatgagctca 240  
 gctctcactt ccccaactct ccccccttg taaagtaacc ttctccaag gttatgcttc 300  
 aacagngata gctaacattt attaaattgt ggccccctga g 341

<210> 1732  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 1732  
 gaatttcggg ccgcgtcgac tggcttttga tgcctttgtg tagtttaqaa cagatacaca 60  
 ttagtataag ataccaataa tcattlagagc tcaagguagt tattaggtgc agcctctgga 120  
 gccatactca cgtgcagtg cataatggga aaattaggag cattaataag aaatttcagt 180  
 agtgtttgta aggaaaaataa gctacttact gagatctgtt tctctctattg catgtttgct 240  
 tttagaggac agcttctgtc aaaagtgaag tcctcaccag aactgggctt gtttaggaaga 300  
 atagggtttt atttactttt tatgtcaatt aactcaaca aaaaggccac gctgggtgct 360  
 gtcctcccat ctgggtatgc attaaacatt aatgatganc agcatctcga g 411

<210> 1733  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 1733  
 qaatttcggg ccgcgtcgac ggtcgggggtg ctctctctct attgacatct attgacata 60  
 atttcatgac cagcaacctt atccaaagag gaattcttgt tggctctgga tcttttattt 120  
 ttatggaact caggatgctt tttttcttag gtactaacaa accatcccat taatttctct 180  
 tctctagcat tactcttgat agggagtctt gtagttttgt agaaaagact gaagttaggc 240  
 tgggtgtgtg gctcaccgct gtaatccag cacttttggg gcccaagggt ggcagatccc 300  
 ttgagatcag ccgcctcgag 319

<210> 1734  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 1734  
 gaatttcggg ccgcgtcgac gccagacatg agtcttgcaa gaattgcttc gttttgcttc 60

atattttaaag ccccttttcc caaaaaatcc attccacttt catctttctga atcggagttg 120  
 gaatcagtcg cagaattctc tgagggtctg cgggactctg cttttttgtt ggttgcctcc 180  
 ctggagctcg ag 192

<210> 1735

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1735

gaattcgcgg ccgcgtcgac cctaaaccgt cgattgaatt ctagacctgc cctcagtgtc 60  
 tcccagtttc cttgttttct tttatttccc tcttgattgc tgcctcccca gttcttacca 120  
 gctctctgtc ccagtccttt cctgtcaaaag atggcagact cctccaatgc caccgctccc 180  
 ctaccatctt gcccgagatc ttcctctctc tctccctccc tcttggtctt tttggccttc 240  
 cccctcgag 249

<210> 1736

<211> 180

<212> DNA

<213> Homo sapiens

<400> 1736

gaattcgcgg ccgcgtcgac gagcatttgc aaagtcctga aatattcttt gttttgtttg 60  
 ggggcagttg gttgtttttt tgatgttttg tgtgtggggg cagggacagg gtctcactct 120  
 gccacccagg atggaacgca tagctcattg cagcttcaac ctttaacccc cggactcgag 180

<210> 1737

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1737

gaattcgcgg ccgcgtcgac ttgagtgttt actaactctg tgttttgctt acctggcttt 60  
 tcttccttga agttgcttaa tttttctcc tccaagagga attattttaa aagacttttg 120  
 tctgtgacat aaccaagatt tattctgttt acctaaaggaa cttattttct tttttgcaat 180  
 ttcattttat ctgagtcact ttatttgtta taagtgaaga attttaatac ttagaaataa 240  
 gttgtaaaga aaataatgag aatcttacca tgcgtactcg ag 282

<210> 1738

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1738

gaattcgcgg ccgcgtcgac gagaaaagtt ccagaaaacc tagattagag atgttggtgt 60  
 tatttttatt ttcttttate tcaactgtgc cttcttccct ctcttctttt ctccctccc 120  
 actcccttct tacctctcca ctttggtttt ctacctcagc ccttaacttc tcttttctt 180  
 taattcttcc attctttctt cctttctcaa tagataagtt taataatagt ggttggtttg 240  
 ttgtagatgt ttcaggggga aaaaatttaa aaggttcgac agttctcgag 290

<210> 1739

<211> 356

<212> DNA

<213> Homo sapiens

<400> 1739

ggaattcgcg gccgcgtcga cagatttttt cctaaaactg gccagaact gagtctactt 60  
 tttttgttt ttcttgagtc tctgtttacc tcaaatctag agacactctg cctctcagt 120  
 gaaatttctt aaaggctcagg taatcagttt gtcatttaag ttcagaggcc aacagctata 180  
 atcaactgta gaaaccccat ccaacataaa tccaaggagc tgatccaaag caaatgccta 240

cctccttggc aacagtgtgt acagctgtgt tccctttcac ttccttctct cctttactta 300  
aaccacattt attatccttc agttctggag gtcagaagtc cgacacaggt ctccag 356

<210> 1740

<211> 298

<212> DNA

<213> Homo sapiens

<400> 1740

gaattcgcgg ccgcgtcgac tatctctggg tatggcactg tccatgcca tctcttcacc 60  
actatttggc ctcttaagt ataaaaggcc acctctaagg aaatggcttc tgggtgttgg 120  
caacttaatc acagccgggt gctacatgct tttagggcct gtcccaatct tgcataattaa 180  
aagtcagctc tggctgctgg tgcctatatt agttgttaagt ggctctcttg ctgggaatgag 240  
tataattcca accttcccg aaattctcag ttgtgcacat gaaaatgggt cactcgag 298

<210> 1741

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1741

gaattcgcgg ccgcgtcgac ccgtcgattg aattctagac ctgcctcgag ttttgccttt 60  
ggctctctgc cacttggtga actattgtct gctttttcaa gatgcagctg ttgtgtcctc 120  
ttctctggat agtctctcca tactatctac acaagcaaat tgttgctgct ttccttgaaa 180  
acctacctca acctctctgt acacaccacg caagaacata ccgcacttac ttgttaccag 240  
gtctatctct cctccccctc gag 263

<210> 1742

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1742

gaattcgcgg ccgcgtcgac ctaccacata agaagatatt tatataacag ttctcagaat 60  
ccaactgttt tgcagttgaa atttctctcc aagattccaa ttagtataaa attttaattt 120  
gctaagaagc atctcacata ataaataagc ctatcaagaa ggcaatttat attaatcttag 180  
aataaactag actctgtgtc ctctgaatta aacaccaatg agcaccctaa agtttagact 240  
tcttggcttt tattaactat atctgtttat tttttatgat gcagctctctg agcttggttc 300  
atttgaaact gaagctccca cactcgag 328

<210> 1743

<211> 155

<212> DNA

<213> Homo sapiens

<400> 1743

gaattcgcgg ccgcgtcgac gtctgttcaa aaagagaaga ggtttgcaaa taccctcatt 60  
agagtaactat gcaagtgttg cactactatt tccaaatttc cagggccata atgagtatct 120  
tctttccact agctacttta acacaagccc tcgag 155

<210> 1744

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1744

gaattcgcgg ccgcgtcgac gaagaatgca agtattctgg agtttgagaa atgttttttc 60  
tgccttcttc atgaatata ccttgaaca ccttccatt ttgtgggagc ttaaatacta 120  
taggcagaaa aatgaagata ccagccctgg catgcgagga ccgcgtggca gtgtgggacg 180  
cgtgcttgag cctcaatttc ttctctggga gatggcggtt ggcggggcgg tggagagcag 240

tagtgggaca gaaggagctg agtgcctggga gctcgag

277

&lt;210&gt; 1745

&lt;211&gt; 392

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1745

```

gaattcgcgg ccgcgtcgac atgctttgtc ccaagccctt gaatccctca aatctgacct 60
tgteccctgc tgtggccacc acctctctct atttcattgg agtgctctct cctgagacct 120
tcagcccagt ccaggccagc tccttaatag ctgccccttc ccgtgaactc cctcttcttg 180
cctctctctc cctccagtgg cagaaacccc acctctgttg gccagtgtc ttggaagaga 240
gtcttgagat gcccctcgga gtctgggtag agcccttgca ggcatccaga gaacaactgg 300
aatcaaggcc ctctgtgctt tctgggtccc aagcgccttt ggggcttgag gttctcttca 360
ttagtggttg atctgaagtg tttctctctg ag 392

```

&lt;210&gt; 1746

&lt;211&gt; 432

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1746

```

gaattcgcgg ccgcgtcgac cttaatgaga agactttcaa tagtaatgaa gaatccatgg 60
cactctcttc acctcaaac acatggcagt cattcacata caggcccaaa agccactgtt 120
agtgcctgcg tagctctgtt ggacattgga aagcccgag agggcgtgga agaaatcagc 180
tggtcccccg caggttctct ggggttttgt gcccaaggct cctggagccc taaaaacttt 240
caaaagttaa ctcctcacgt ccccatctct cttgggttct tggacttttc tgaggcaccg 300
gcagaggggt ctcatctctc ccttgagtgt aggggcagcc ctttaacctg gtccttgag 360
tccctgcttt tcttgcctct gttgcctctt tctctgtctt cctctctctc aatatctccc 420
cccaaacctg ag 432

```

&lt;210&gt; 1747

&lt;211&gt; 368

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1747

```

gaattcgcgg ccgcgtcgac tgtgcttctg ggggtattact taagaaatca ttgcccagac 60
cgataccctg gagagtttcc ccagtgtttt attttagtcg ttccatagtt tgaggctctta 120
gattttttgt tttaatcaat attttgattt gagtctttgt tatggtgaga gataggagtc 180
tagtttcatt cttctgcata tatatatcca gtttccaagc accatttatt gaagaaactg 240
tctttttctc catgtatgtt ttgggcacct ttgtcaaaaa tgagttcact gtaggcgtgt 300
ggattttttt ctgggttctc ggttctatct ctctgtgtgc ctgtttttat gccagtacca 360
cgctcgag 368

```

&lt;210&gt; 1748

&lt;211&gt; 302

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1748

```

gaattcgcgg ccgcgtcgac gcatatccaa cctttgggtt ttttaattat agactaaac 60
tctttttgac accacacatg tgtgttatgg taccactgat ctgctcaaga cagctatttg 120
gatggctctt ttgcaaatga catcctgttg ctattgtgtt tgcctatatta gcagcaatgt 180
caatacaagg tttagcaaat ctgcaaaccc agtqqaatat tgtaggggag tttagcaatt 240
tgcccaaga aqaacttata gaatggatca aatatagtae taaaacagat gcagctcttg 300
ag 302

```

&lt;210&gt; 1749

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1749

```

gaattcgcgg ccgcgtcgac aggtccctct catattccat cgcagtttc tgttacaagg 60
cagactgaat caagccaaga tcaacacaca ctggtacacg tggctccaa ccaattttat 120
atgtatatat atattctact tcaaacactc gag                               153

```

&lt;210&gt; 1750

&lt;211&gt; 292

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1750

```

gaattcgcgg ccgcgtcgac ccccccccc cttttttttt ttttttttt cctccctaat 60
tttttggtca ttggattttt tccctcggtt agttaagtgc tctgctgctt gcttgctcat 120
gcttcttaac aatttttagc ttcgactgat tttttttttt tctttttctt tttttactgg 180
tatttgtttt ttatactcat tcaactaaac ggggaattctt caagctgtac ttccccatt 240
accaaagagg cctgctcttg aaaaaaccaa cggtgccacc gcctgctctg ag           292

```

&lt;210&gt; 1751

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1751

```

gaattcgcgg ccgcgtcgac gcgcacagtt cttctctgtac ctgtgtggag gaaaagtact 60
gagtgaaggg cagaaaaaga gaaaacagaa atgctctgac cttggagaac tgctaacctt 120
gggctactgt tgattttgac tatctcttta gtggccgaag cggagggtgc tgcacaacca 180
aacaactcat taatgtgtca aactagcaag gagaatcatg ctttagcttc aagcagctta 240
tgtatggatg aaaaacagat tacacagaaa ctctgag                               276

```

&lt;210&gt; 1752

&lt;211&gt; 225

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1752

```

gaattcgcgg ccgcgtcgac tggctgggtg gtagatttaa atcactgttt ccgcattgta 60
ttcatgacgc ccatgaaacc cgcacaatat ttagcttctt ccgagcagc aagtttcttc 120
tcggctctct tcttctgtgt cttctccacc ccagagggtg ccatctctcc tcagctcggt 180
tcacgcccgg ggctcgccgg gccgggcgag aggtcgcccc tcgag                               225

```

&lt;210&gt; 1753

&lt;211&gt; 362

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1753

```

gaattcgcgg ccgcgtcgac aagccccca acatgcgcgc tgaagacaga atgttccata 60
tcagagctgt gatcttgaga ggcctctctt tggatttttt gctgagcttc ccaggagctg 120
gggccatcaa gtcggaccat gtgtcaactt atgcgcggtt tgtacagacg catagaccaa 180
caggggagtt tatgtttgaa ttgatgaag atgagatgtt ctatgtggat ctggacaaga 240
aggagacctg ctggcatctg gaggagtttg gccaaagcctt ttcctttgag gctcaggggc 300
ggcttgctaa cattgtctata ttgaacaaca acttgaatcc ctggtaccag cgttccactg 362
aa

```

&lt;210&gt; 1754

&lt;211&gt; 256

&lt;212&gt; DNA

<213> Homo sapiens

<400> 1754

```
gaattcgcgg ccgcgtcgac attgaattct agacctgect cggctcttcc ctttttcac 60
ccatacctaa gccatcagca agtgcttctg aaataccatg tccagaatct catcacttct 120
cactctctcc actgctgcta cctgactgc tgcaccccc tcttgectgc attactgtac 180
cagccgectg actcgtcttc ctgcttccac cttccacct tcagtcatat atccaggcag 240
caacggagggg ctcgag 226
```

<210> 1755

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1755

```
gaattcgcgg ccgcgtcgac cgattgaatt ctgacctgc ctcgagcttg gtcccacttt 60
tatatttttc ctcttcggtc cagaatttct tatttagttt cttgtatttt gctactctcc 120
tcccttctcc atgattcagc ctagtcttcc cgtctctgt ggacttgggt gtgccttctt 180
ctggggccacc tcgtcttttg ctgctgttag cccacccgcc ctcgag 226
```

<210> 1756

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1756

```
gaattcgcgg ccgcgtcgac ggtgggggac tctgaacttg tctgctgctt gccatatctt 60
caatgggtgt gagggtggttc atctggctca ttgccatgag caactatcat gccagtaata 120
accaacatgg agcagactct gaaaacgggg acatgaattc aagtgtcggg ctggaacttc 180
cttttatgat gatgccccat ccactcgag 209
```

<210> 1757

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (20)

<400> 1757

```
gaattcgcgg ccgcgtcgan ccataatgat gctgctcaca aactcgtggc atattgattt 60
tggaagatgc tctgtctatc aqaacctttt ctctgtgtgt gtaacttgca tctgtctctt 120
gaattcctgc tttctcaca gccagtctta tggaaatgat ttggagtga ggcctggtcaa 180
tgagagacgg ccttgcctct ggacagtggg ggtgaaattc cagggaatagt gggggactgt 240
gtgtgatgat ggggtgggaa actactgctt caactgttgt gtgcaaacag cttggatgtc 300
cattttcttt cggcatgttt cgttttggac aagccgtgac tagacatgga aaaatttggc 360
ttgatgatgt tccctgttat ggaaatgagt cagctctctg ggaatgtcaa caccgggaat 420
ggggaagcca taactgttat catggagaaq aagttgggtg gaactgtcaa cgggtgaaqc 480
atctgggttt gaggttagtg gatggaaaca ctctgttca gggagagtgg aggtgaaatt 540
ccaagaaaag tggggaaacta tatgtgatga tgggtggaac ttaaatcccc ctgcccctct 600
gtgcaggcaa ctatgattgt catctctttt tatttctctt ggagtctcta acagccctgc 660
tgtattgcgc cccatttggc tggatgacan tttatgccag gggaaatgagt tggcactctg 720
gaattgcaga catcgtggat ggggaaatca tgaactgaat cacaatgagg atgtcacatt 780
aactgttat gatagtagtg atcttgaaag taggtctgag 820
```

<210> 1758

<211> 132

<212> DNA

<213> Homo sapiens

&lt;400&gt; 1758

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 gcgtttctcg ag 132

&lt;210&gt; 1759

&lt;211&gt; 267

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1759

gaattcgagg cccgcgtcgac ccttttaata gaccaattcc tttctcaaa attcagatat 60  
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 acaacctag atttctctag ttcaggcaaa actctcatta ctagtatttt cttctctctt 180  
 tgacctaaa gtgtgaagcc cttagcattt caccctatat tttctgagtg acctccccc 240  
 atgtgtgtgt gtcagatcac tctcgag 267

&lt;210&gt; 1760

&lt;211&gt; 237

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1760

gaattcgagg cccgcgtcgac cagcgttcca agtgtcttct acatgctaaa tggattgac 60  
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 ttcacaggtt gtctctctta cacaactacc gtgtacgacg aatgctatta tggccatttt 180  
 actgagggga aaacagcttc cctctcatct attctgaacc cctcttcacc cctcgag 237

&lt;210&gt; 1761

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1761

gaattcgagg cccgcgtcgac cttggatcaa aagcatctct ttgaacctct ccttcaggca 60  
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 tggttgtttg gtctctctct ccttggtctt agtaacacag cagtctgttg ctctctagga 180  
 caacttataa tgggacccaa aggggaaaga ggatttcccg ggctctcagg aagatgtctt 240  
 tgtggaccca ctatgaatgt gaataacccc gag 273

&lt;210&gt; 1762

&lt;211&gt; 349

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1762

gaattcgagg cccgcgtcgac tggctgagg aggacaagtt aattagaaaa atatagaagg 60  
 gcattgtagat ttgaaagagg atttggguac attttgaatt tagaaaatga attttagaac 120  
 ttatacttct aactttttat gctaaaagga actaatgtac attttatgat tttagtata 180  
 caagtggagg gcttatcagc tgggcatatt cattttccct ttgcttaagaa aaagaaccaa 240  
 atgaataga gaagaatgta actgggaaaa aactaaaaac agagggaagga agttttttaa 300  
 gaagatatat ctgtaaattt aaqaaagcat ttgagaggga gagctcgag 349

&lt;210&gt; 1763

&lt;211&gt; 263

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1763

gaattcgagg cccgcgtcgac aattatttct acttttctct agattacat ttacattgga 60



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cactttattg acaaaaccca agtcacccc accctctctgg cagctaccta agtgggtatgg 120
gtttatttgt gtctctattt ttgtctcatt tgtttgcttc taagatccct cctgggtcag 180
gccatgctcc tcgccccccac ccgcaggatc tgatgctaca ggaatataat tgtgggtccca 240
ctaccacaac cctcatctc gag 263

```

&lt;210&gt; 1764

&lt;211&gt; 568

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1764

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gaattcgcgg ccgcgtcgac gaccttttga tgaqattttt gtgggggtctt ttttgttgat 60
gttgttgttg cttctctgtt ttcttttaac agccaggccc ctctctctgca gggtctgtgc 120
cgtttgtctg aggtccactc cagactctat tcacctgggt cctccccaca cctggagata 180
tcaccagtgg aggtctgcagc aaagcaaaaga ttggtgcctg ctctctctc caggagctcc 240
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ctaccagcca cctcagagcc agcaagcagg aaagactaag tgtgttgaac aggagatcat 480
gactgcctcc ccacagagga tctgtccccc tggtccacctc agagccagca agcaggaaaa 540
actaagtgtg ttgaacagga gtctcgag 568

```

&lt;210&gt; 1765

&lt;211&gt; 176

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1765

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gaattcgcgg ccgcgtcgac gtcctttctt gcttcttgta ccccttcttc cctgttatct 60
catctaaate ctcgggaatt ctgatataat atttatcctt ttcaaaatcg aactctgttg 120
catttttgta gcttctaaga ttccaaatga tgatcctcgt ccccttcttg ctcgag 176

```

&lt;210&gt; 1766

&lt;211&gt; 528

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1766

```

gaattcgcgg ccgcgtcgac atgcaacttc tgcaacttct gctgggggctt ttgggggccag 60
gtggctacct attcttttta ggggaattgc aggaggtgac cactctcacg tggaaatacc 120
aagtgtcaga ggaagtgcc a ttgtgtacag tgatcgggaa gctgtcccag gaactggggc 180
gggaggagag gcggaggcaa gctgggggctg ccttccaggt gttgcagctg cctcagggcc 240
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agcagctatg ccgacagtgg gatccctgcc ttgtttctct tgatgtgctt gccacagggg 360
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ttcccaaagg ccagcaggag ctggaatatct ctgagagcgc ctctcttgcg aaccgggac 480
cccttggaac gactcttga ccagacaca ggccttaaca cctctgag 528

```

&lt;210&gt; 1767

&lt;211&gt; 281

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1767

```

gaattcgcgg ccgcgtcgac cctaaacagt ctatttaate ctttgttgcc ttctttctta 60
ctaaagggtga gtgagatgtc tgcattctct ttctggaacc ttctctgtgc acctgagccc 120
ctctggcctgc tcatggacct cgtgagcta tgcctccctt tctctatcat gctttttctc 180
ttctctgctg gatcatttgc ttccacacac aaactgctcg ctatgctct cgtattaaaa 240
ataaaagaac agaaaattct cccctctctg aatcactega g 281

```

&lt;210&gt; 1768

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1768

```

gaattcgcgg ccgcgtcgac gtttctagtt gctgggtggg gtaataagtc catttttagt 60
ttttcaaggga gctgccaaat tattgtcaac aatgtttgta cegttttctg ag          112

```

&lt;210&gt; 1769

&lt;211&gt; 351

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1769

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gaattcgcgg ccgcgtcgac gtgggtatttc tgttcttgag ctccccgagg gatateccat 60
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attctgtgcc acgttttgta acccctagtc ccaatttttt ctgccggctg ctcttagaag 180
gcttattgga caatcttaac atctgagtag cagaagtcct tgagtaaact tgtgctgaag 240
aattgccaca tagtttaata gttgtggac tgcgtgtttt catggatctt ttgtttcagt 300
atcaagaaga tgcctttgtt gaacatattt ttaccccccac tttgtctga g          351

```

&lt;210&gt; 1770

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1770

```

gaattcgcgg ccgcgtcgac aaagtttttt tttttctctt aaactgattt ttagcaaac 60
tcagactgaa acacaggact caacggtgta ttcttgaag gcaagggtgt ataattggcag 120
gcacaatctg ttctcatcat tgggtgttat tcataacaga cactgtgtgg tctagaagtg 180
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ccatgggaatg tttctgccc cccagttttc ctactgtttt atattgtgaa aatagaggtc 300
tcaaaagaaat tctgtctatt ccttcaagaa ttggtatct ttatcttcaa aacaacctga 360
tagaaaccat tcttgaagaag ccatttgaga atgccaccgc actcgag          407

```

&lt;210&gt; 1771

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1771

```

gaattcgcgg ccgcgtcgac ctgggacgag taggtttcac tgtttctcat aggagaattg 60
acaqcttaaa gtaaaaacaa attattttctg tcaaaagttt tttttttctc ttaactgatt 120
tttagcaaac ctcaagctga gacacaggac tcaacggtgt attcttggaa ggcgaaggtc 180
tataattgga ggcaacaact gtttctatct gtgggtgtta ttcataacag acactgtgtg 240
gtctagaagt gtaaggcagg tctatgaagt acatgattca gatgattgga ctattcatga 300
cttcgagtgt cccatgggtt cactcgag          328

```

&lt;210&gt; 1772

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1772

```

gaattcgcgg ccgcgtcgac tgcctagtaag aactacccca tggctaatit gttcttcaga 60
gtaaaactgaa ctaactcttt ccaagtgcga gctgctccaa gttgataaat gcctaaattt 120
ccaaaatact acaaccaaaa gcaaaagttt ccagttctcc agatadaatt tttttataga 180
tacctcaaca tgcacaaaaa tttttcttgn tgcgtgtgtt ttttgagaaa ggggtctcgt 240
ctgtcccccg ggcacagatg taatgatgtg aactcagana actgcagaaa caacctcttg 300

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gggtcaagca gtctctcagc ctcagccccc tccctcgag

339

<210> 1773

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1773

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 aattaaatac actgttaatg ttactatatt aaatctgttc tctgttccag cactccgttc 180  
 cttttaccac caccatcac ccctaaccac actcccacca ctgctagttt gtcccactgc 240  
 tactgttgcc aacactgtca ccactgtcac catttcaacg tccccctcg ag 292

<210> 1774

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1774

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 ttaatatgaa gacatggtga taactaacat atttataaca tgaaatctgc tcatccagga 180  
 acatagaatg caaatctttc attccactca gcaaaatttt gtctgtctct tgataaaagt 240  
 cctcgag 247

<210> 1775

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1775

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 ttttgtcaag ttctccagct gctactcttg ggccatatgt ggatgtttat ggctccagtg 120  
 gccactcca accctctttt ttgtctagtg cctggcctgg taccaccagc tcttagggct 180  
 actggcatga gtgaaaagag cccagtgtta cccaacacac cactaccac ctigtattct 240  
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<210> 1776

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1776

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 ttcttaacgg tatgagatta tttaactctt tctctcttct ttcccttctt gtctgctctg 180  
 gcttagagag gtgcctgtgc tgtccctctt gcacccacgg tctttttcca agcatgaaca 240  
 gtggactcga g 251

<210> 1777

<211> 342

<212> DNA

<213> Homo sapiens

<400> 1777

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 tgcttttagga aaacgatgat tatatgttta tataattacc atatagaatc tgtaacataa 180  
 tgggtgaatgt cctgagctct tctaatccga tcttttaact gatttaaatg ggtggatgga 240

tgacagggcag gcaggctcac agacaaacct tttttatgct aagccaacaa accaccattt 300  
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<210> 1778

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1778

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 taaaagctga actgactatg ggtgttcttt gtggaagact gggccttgta atttcaagag 180  
 atgccttttat aactgcaata tgcaaaagggt cctgctctcc ccattatgct ctactgtat 240  
 tgaataccac cactgcagct acactttcca acaaatcata ttcctgttcag ggccaaagtg 300  
 ttatgatgat aagtcacatc agtgaatctc accaacaagt tggggcagtg ggtcaacctt 360  
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<210> 1779

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1779

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<210> 1780

<211> 527

<212> DNA

<213> Homo sapiens

<400> 1780

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 atctgctttt agagtcttat ttagctagat tttttattgt gctaaataat agaaggctac 180  
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 gaaaagtttag ttctctagac agcactgtg gtctgaactt cagtacttct ccaaggaaaa 300  
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 tccaagggtaa taatagtctt atattgagct ttatacttct catgttccga ggaggccatt 420  
 ttcattgcat atgtcatccc actaacgtgg ctacacttat ttgtttgttg atgctgaca 480  
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<210> 1781

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1781

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 tccctctccac tcaaaacttt cactcaatat ctagtctaac aagctgtgtg gtggtgtgct 180  
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<210> 1782

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1782

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 tgcctaagatc caagagacca gacctctctc tgacaccact gctgtctctt tgtcttcctc 180  
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 taaccaccac ttccctcgag 260

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 <212> DNA  
 <213> Homo sapiens

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<210> 1784  
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 <212> DNA  
 <213> Homo sapiens

<400> 1785  
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<210> 1786  
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 <212> DNA  
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<400> 1786  
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<210> 1787  
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 <212> DNA  
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<400> 1787  
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<210> 1788  
 <211> 149  
 <212> DNA  
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<400> 1788  
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gcaccttcca tagatcacac aatctcgag 149

<210> 1789

<211> 195

<212> DNA

<213> Homo sapiens

<400> 1789

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gaatgcttta cactttccac agaacagaaa ctaaaaatac ctgttatata attagtacaa 180  
aatacagtcc tcgag 195

<210> 1790

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1790

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ttccaaatcc tttatttgat ctggctggaa taacgtgtgg acactttctg gtaccttttt 120  
ggaccttctt tggcgcaacc ctaattggaa aagcaataat aaaaatgcac atccagaaaa 180  
ttttgttat aataacattc agcaagcaca tagtggagca aatgagcttc gag 233

<210> 1791

<211> 123

<212> DNA

<213> Homo sapiens

<400> 1791

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tttaactgga ttgggttttt cctgtctttt tgcctgacca cttcagctgc aagaaggctc 120  
gag 123

<210> 1792

<211> 131

<212> DNA

<213> Homo sapiens

<400> 1792

gaattcggcc aaagaggcct atgaacattt atataatctt acctggacat caagctgttc 60  
tctctctctc ttttttttaa ttttattatt attattttgg caacatgtac atttctaaca 120  
tcgtactcga g 131

<210> 1793

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1793

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ttctctcttc tatttgtata aatatatgag gtacaagtat agtttttcta tcttgacctg 120  
cctcgag 127

<210> 1794

<211> 107

<212> DNA

<213> Homo sapiens

<400> 1794  
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<210> 1795  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<400> 1795  
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 atttgagcat gaaaataaat tctacattaa tccaggtact cgag 104

<210> 1796  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 1796  
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<210> 1797  
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 <212> DNA  
 <213> Homo sapiens

<400> 1797  
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<210> 1798  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 1798  
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 cgag 124

<210> 1799  
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 <212> DNA  
 <213> Homo sapiens

<400> 1799  
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 ctctttggcc gattgaattc tagacctgcg tcgag 155

<210> 1800  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 1800  
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<210> 1801  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 1801  
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<210> 1802  
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 <212> DNA  
 <213> Homo sapiens

<400> 1802  
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 gacacagtct ctgtctccat cagctgcagc cttcaccacc tcgatgtaat ggtctgtgaa 120  
 ctctgtccca aactcccggc ttgcaccaa gtccagcagg gtcacctggt ggctggagge 180  
 atcatacaga aacctcgag 199

<210> 1803  
 <211> 259  
 <212> DNA  
 <213> Homo sapiens

<400> 1803  
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 gagctcgctc tcggtggcct gcaggctcct ctccagtgtg gccacctggg ccagcgtggc 120  
 ccggcgctcc cgtctactgt gccgcacact ctctctctgc agcgccagct ccgcttggac 180  
 cccgctcagc cgcctatcca cactgcgcgc ggtctctcca ctctcagcca ccgcttctgt 240  
 cagctgcctg gccctcgag 259

<210> 1804  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 1804  
 gaattcggcc aaagaggcct agtcaggatg aaaaggaagt tgagattttt taaatccctc 60  
 ttcgcttgct ttattttcag taaccaactg ttatcttttt ccttatctga ggctacctgg 120  
 ggatgggatg gccctcgag 138

<210> 1805  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 1805  
 gaattcggcc aaagaggcct agctaatctt ataggagttt tcagtaactt aaaaagctaa 60  
 catgagagca tggcdaaatg tgcatactct tactattctc gag 103

<210> 1806  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 1806  
 gaattcggcc aaagaggcct actgtttcca atacactggg atagtatcca agatagccag 60  
 aagaataaag acgacaataa aacagtaaaa tgatcagggt gtggctcgag 110



<210> 1807  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 1807  
 gaattcggcc aaagaggcct acgagtgtta aagtggtag aaggggtgcta gtacttaagt 60  
 gagatgtcag tgcttgctgt gtccattact attacggtat atgtgaatta cttgggcagg 120  
 ctgggagagg ggtctaggtc atcaggatac ctcgag 156

<210> 1808  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 1808  
 gaattcggcc aaagaggcct aacttccagt atggctgctt ttttgttctt aaattccttt 60  
 cttttaagtga tggggtcttg ctgtgttact caggccctcg ag 102

<210> 1809  
 <211> 134  
 <212> DNA  
 <213> Homo sapiens

<400> 1809  
 gaattcggcc aaagaggcct agttttttct ttttaacctct ttaagtattg attctgcttg 60  
 agaattattga agtacttgcc agaagttgtg gatttcagtt ttaacaaatg ctattaaagc 120  
 ggagaatgct cgag 134

<210> 1810  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 1810  
 gaattcggcc aaagaggcct actttcactc ttgtaaaagc cacatatcca catctctctc 60  
 attttctcag tgtgttatgc agcaatttat taaagtattt attctcgag 109

<210> 1811  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 1811  
 gaattcggcc aaagaggcct aatggacagt ctgctactgt gcattgctta ctttgcctc 60  
 tttactctgt cttttgattc tgttaggggt ttggcaaagg gtggagagaa aagtagagaa 120  
 ggactcgag 129

<210> 1812  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 1812  
 gaattcggcc aaagaggcct attgggcagg gagtttagaa tgaatgggtt atgtttgatg 60  
 gtcattgggc tttttttttt tctatgaagt tgtttaagtg gataataata acaataacaa 120  
 caatgaaagc aaatcaatgt tgcagcttga gagctgggtg ggccttggcc catagcagca 180  
 cagaaaggga gggaagggaag gacagcatcg atgggggtct cgag 224

<210> 1813  
 <211> 154

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1813

```

gaattcggcc aaagaggcct atggacctat tataattctt gtctggtttt gtccactgga 60
gcaataaagg aaaatgctta tcttacttct ggagtttctt cagctcctgg gttcagccct 120
caactattcc tcagcagggt ccttcaagct cgag                                     154

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&lt;210&gt; 1814

&lt;211&gt; 139

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1814

```

gaattcggcc aaagaggcct agaaaaatgtg ggtgatgggg aagttggtaa tgactccgct 60
gttttttctc atggctcctt tgggccacag ctgccgcccc ccggtataca ctgtagttga 120
ttgcagggaa acactcgag                                     139

```

&lt;210&gt; 1815

&lt;211&gt; 112

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1815

```

gaattcggcc aaagaggcct actcatcttt tgttagattt attcctggat ttttttttta 60
ttctattgta aacgatacca tttgttaat gttattttcc aqtttactcg ag 112

```

&lt;210&gt; 1816

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1816

```

gaattcggcc aaagaggcct atataaagca gaattcaaga ggtctcctgt agtattaatg 60
tctgataaac agtgtgtgat tctcttcttc aatatctctt tctttctgac tctttgttcc 120
ggctctctga tatatattac tgattcactc gag 153

```

&lt;210&gt; 1817

&lt;211&gt; 103

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1817

```

gaattcggcc aaagaggcct aaaaaatatg ccattcttat ctggttgggt ttttaattct 60
ggcttaatat ttgggggtga gtcatttgtt ttgagaactc gag 103

```

&lt;210&gt; 1818

&lt;211&gt; 118

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1818

```

gaattcggcc aaagaggcct agtgaagtgg agttatgggt tcattcaata gagtattgct 60
gattatactt gagtgggaat cttttctcac gtactccac aqacgtcggg acctcgag 118

```

&lt;210&gt; 1819

&lt;211&gt; 456

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1819

```

gaattcggga aaagaggcct agcctgtatt tccagctact tgggaggctg aggtaggagg 60
atcatttgag cctggggaaa ggagggtgca gtagagccatg atcacgccag tgcagtcacg 120
ccagcgcaag cgagtggaggc cttgtcccaa aagataaaaa taagaaaaac ttcattcttg 180
gtctagacat ttgcagctga caaccattca acgatttggt ttttttttag tccatggatt 240
aaacaatagt gggtaagaa tgettittga actttccttg aggaactag ggaaccacc 300
agtgcagtta taattcctac tgtgtgcct ggcctcgca gccttgccgt gtccatgtgt 360
cagggtcccc agcctacagt ggattttccg tttacatccc aggatgattt aggaatctc 420
tccagttttc aacagaacca gctgggcgcc ctcgag 456

```

&lt;210&gt; 1820

&lt;211&gt; 618

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (609)

&lt;400&gt; 1820

```

gaattcggcc aaagaggcct aggttaaat tttattaaat caagctttta aattatatat 60
ccacctacag tctataaaca aatatagtac acatgtatgt aaaaggctag cagataagaa 120
ccagtggaaa aactaaagt ccttttgcac accggcacct catcacaca cctctttggt 180
gtggatgcca tggggccact gctgtagtca aaagttaaat gaaaaacca caagttagt 240
ttgactccgt ctccctagggt ggatttcatt cagatulttg tccatatta taggagggtg 300
gatcctagca aggcaacagt gtagttttta cattcacaga ttggctgaag tagtacaat 360
tgagctgcta atctagggtgt ctccctccct gttaccatac ttcataagaa atgtgaatta 420
aaatgaacaa tggaccacag gtggttataa aaatagataa ctccgagagt cataaatatc 480
tacagttagt agagcagaaa cttctaaat ttacctttt ccataatgtg cagaatatcc 540
taagtatgtt caagagacac agtcagcaga ctccagagtg gtaattaca gggcattggt 600
aaagaaatna cactcgag 618

```

&lt;210&gt; 1821

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1821

```

gaattcggcc aaagaggcct actgtgggga ggtattcaaa ggtttccaa aacatcaggg 60
aagttcgcca gggaaagact cgttggttaag catgttctag ggagagctag tggtagacag 120
gccccaggcca cagcaggcct tgtagatggg ccagggtgc ttacctgtgc actuggggtg 180
gtacttggcc ctgcccggc cctgtgtgg gcttatectc tgcctgagac attgtggttc 240
tctggtgcca gaggcacca gaggtctgtg atctgcctgc tttgaggcgg gaagggttgt 300
tccagtctctg ctttcccaag cgggtggctgt gggcaacct tatgatccag gacgcattgt 360
catcttaacg agcagctggc tttcacacca gggcgagcag aggtctttaa ttatgccgt 420
tgtcttggag taatttagag cagcctcttt tqtatccagg catccgggt tgcattgtaa 480
gggtatgaata cagtgtcctt taacacagac gatgaagtgg ggggtttatt gttctcatt 540
caccaggag gataatgaac cttagcgatc tctgag 575

```

&lt;210&gt; 1822

&lt;211&gt; 288

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1822

```

gaattcggcg ccgcgtcgac taagcccttg tattatcaca aattgtcaca tgcgtcatg 60
tattactttc tcttttctg taatgaacct agccctccat attgtcatgt attgtcacgg 120
attagcagtg cttattctga ccacgtacga gtgtggttgg tgcattgtgc taatcaagat 180
ttagttaaat tattatactt tcataatgtg acctgtattt tcatgggact gatcgctggc 240
gtggagccgg gcgtggaatg cgagtgccta gtgggcacac gcttcgag 288

```

<210> 1823  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<400> 1823  
 gaattcgcg cgcgctcgac gacatgcaac taatagccct tgaacagcta tgcattgtgc 60  
 ttttgatgtc tgacaacgtg gatcggtgtt ttgaaacatg tcttcctcgc actttcttac 120  
 cagccctttg caaaattttt cttgatgaaa gtgctccaac actcgag 167

<210> 1824  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 1824  
 gaattcgcg cgcgctcgac ctttattttg aagaaaagaa aagaaattga agaagtgcac 60  
 gaaaacttct taaattttgg aaacctaaat attcaagaag ctgggcaaac tcccaacagg 120  
 aaaaactcag atccattccc agatactttt taagtaattt gctgaaaact gaaaacaatg 180  
 aaaaaaatct tgagagcagc actcgag 207

<210> 1825  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 1825  
 gaattcgcg cgcgctcgac gtttaaaaag gactagccta agattaattt aaaagattat 60  
 ttacagatga cacattttat gggtcactat ttaagtaaat ttgctgccc cccacagcctt 120  
 ctaattttat ttatatgttc cagcagatta ttaggatctg cttacttctt aggaagaat 180  
 caatgctggc aacacattgt ttcagaaaca ccaagtctcg ag 222

<210> 1826  
 <211> 165  
 <212> DNA  
 <213> Homo sapiens

<400> 1826  
 gaattcgcg cgcgctcgac cctaaacctt catattcttt cccctatcca catgttgttt 60  
 cctctctat gctacctggc ccttccccc cctccccaac ttgcccccac gctgctcccc 120  
 ccaaccacac ctatgctggc caacctctct actcaccctc tcgag 165

<210> 1827  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens

<400> 1827  
 gaattcgcg cgcgctcgac ctccattgct ctgtttgggt tccgtttttg caaggacaaa 60  
 aactgaatga aaattatagc attcattttt ccagccacaa atgtgggtctt cagctctctc 120  
 taattatata atcccattac tcgag 145

<210> 1828  
 <211> 205  
 <212> DNA  
 <213> Homo sapiens

<400> 1828  
 gaattcgcg cgcgctcgac ctctgggttt gttcttatta tcattattga tgactttatt 60  
 tgaagaaccc aaattatgtc tcccatcttt tccggaatcc atgttaaatat ttttagttta 120

aatcattctc tggggagagt taaaagaagc agtccaggta gctgggttat tgtgtagagt 180  
aacagataat tctgatgtac tcgag 205

<210> 1829

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1829

gaattcgcgg ccgcgtcgac tttcttatta agcacaaaat ttaacttttt ttcagtctag 60  
atattgattc tccagaacca tgccttggct tttctctctg tgtttctgc aggaagtgg 120  
atttatgggt actatggctc ctgggcttac agatgaactt ccttttaact gtttaattgtg 180  
cacgctcgag 190

<210> 1830

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1830

gaattcgcgg ccgcgtcgac actcccccat aacctctctg acacctcacc atttacacct 60  
ccagacatac tagcccttta ttgtttctcc cccatggctg ttccttcttt ccttttgcct 120  
ggagtacttc cctctctcac caagtctctc cccaatatct tcacagagtc gctcgag 177

<210> 1831

<211> 196

<212> DNA

<213> Homo sapiens

<400> 1831

gaattcgcgg ccgcgtcgac cactggctcat gtatttattc catatttata tggctctact 60  
cctgtggctg ggagcagcag ctctgaagg ttcctgtggg gtgcgggggg ttggacagga 120  
cactccttct tgggaaggcac caattttccc agccccactc ccattacaca cacacacaca 180  
cacacacact ctcgag 196

<210> 1832

<211> 305

<212> DNA

<213> Homo sapiens

<400> 1832

gaattcgcgg ccgcgtcgac gggggaaata aagcacatct gaaataattt tcaaaaacga 60  
ttggcctctt caaagaagtc ataatatctt gacactcact gagaataaac tggcaactta 120  
catgatcccc ccaaatcttg agctaatcat scatagaggg gaaaatagat aatgtatagt 180  
gttacttcca ttgatgata atgatgatga tgatgatgat tatttttgtt attctaagac 240  
tgagcttcgc tctgtcaccg gggctggagt gcaatgggtc aatctcagct cactgcaacc 300  
tcgag 305

<210> 1833

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1833

gaattcgcgg ccgcgtcgac actccccctg ttgaagaaac cagctctgtg tcttccctga 60  
tgtcttcacc tgccatgaca tcccctcttc ctgttctctc cacatcaca cagagcatcc 120  
cctctctctc tcttctctgt actgcacttc ctactctctg tctggtgaca accacagatg 180  
tgttgggcac aacaagcccc gagtctgtaa ccagttcacc tccaaatttg agcagcatca 240  
ctcatgagag accggcccat ctcgag 266

<210> 1834  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 1834  
 gaattcgagg ccgcgtcgac ttcatttggg ttgtacatct cttaaactct ttcttctct 60  
 gtcttttttc ccccaacttt ttttttttgc ttcattgctg tgacttggtt tggaaacctg 120  
 gtcagttatc ctgtagagta ctgtatttct cactccatat ttgtttgctt tcttggtgtg 180  
 ttaatttgtt cctctatcct ttggatttcc tataaaatgg aagtctctga g 231

<210> 1835  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 1835  
 gagccccag taagttattg cagatcaagt cgcacactgt ttctaggatc acagaaggtt 60  
 cctatagatc agtctagcct acccgtttta ccagtggaga aaccaagcac caggaaagga 120  
 attggccatg tcaactcagt agcaaacagc tgagttgaca ctggaagctg gaagcttgtt 180  
 tgcagctctg ttgttcacat tatactcaag actcgag 217

<210> 1836  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 1836  
 gaattcgagg ccgcgtcgac agaataacgt gcactatgat atctgtgttt gggttgtatg 60  
 atagtttttc atacactttc cttagcagca ttacataat taaggcatac ttcatttgca 120  
 cagacaatct gatttccctt acccttcaat cacaaccctt aaaaccccca attctcgag 179

<210> 1837  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 1837  
 ctgcagaaat gggaattgca ttgagaaagt ttccttttgg tttctctaat ggctttttgc 60  
 ctgaggggaag gcctacgtaa gccacgttag gtaatagaat ccagatagaa actactgtct 120  
 tactgagatg aagaaccaga tgacagagtt cagagtgaat ctatcagggt cgacgcggcc 180  
 gcgaattc 188

<210> 1838  
 <211> 244  
 <212> DNA  
 <213> Homo sapiens

<400> 1838  
 gaattcgagg ccgcgtcgac ttcatttggg ttgtacatct cttaaactct ttcttctct 60  
 gtgttaacttg ccaaaagtcc cactacccag tgaatgtccc caccgggtct gacccagga 120  
 gtctgacaca gagcccagtc ctcagccact ggcgatgttt tgggggtgtg agcaqcccag 180  
 cctactcttg gacagttttt acttctgttt ccttttgcct catgtttgtg ttgcccct 240  
 cgag 244

<210> 1839  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1839

gaattcgcgg ccgcgtcgac ttcttaacgg ttgcaagca ctattccctt gccgaacctt 60  
 taggatcgtt gcaccgtga ttttccaat atttatcatg cgttagtgcc tagccttttg 120  
 ttatgtattt tgcagggtcc aactcgag 148

&lt;210&gt; 1840

&lt;211&gt; 596

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1840

gaattcgcgg ccgcgtcgac atgaccttac gaagcttaac ccaaaggtag agagtccatc 60  
 cctttatatt ctgcattttg taaaatgtaa acaatgctta ttttgtgcaa aaataatttg 120  
 ctactagtct ttgtggaatg tgacttgata aggagtatta ggaattgttc atataaatta 180  
 ttttaattac tttttttcca gtttgaaata gtttagagatt cgtagggaagt tgtgaaaata 240  
 atacagagat ctccgtgact tctcaccag tctttccagt ggggagaatc ttacaacact 300  
 aatagtgaat tatctaggtc aggaagttgg cattggtata gtccacggac ctcaactaca 360  
 tttccctggt tttgcgtaca tgtgtgtttc tcggcatcgt gtgtatagat gataaatact 420  
 aatatatatt tatagaacaa atctatacac atgatgttcc ctctcccgcc ctctggggga 480  
 tctttcatat atactgcata tatatatgca tggaaacaaat ctataacaaa tatatgtata 540  
 gaataaatct aaactgcac atgtgtatag atttgtaag ccaccacaag ctcgag 596

&lt;210&gt; 1841

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1841

gaattcgcgg ccgcgtcgac ctctggagaa tctatgcgaa tcaacctttc taccttaata 60  
 tctcccaaaa aatgtatagt gccttgcttt tatgtacagt ttatatagag aaaaggtttg 120  
 tctgcatttt tcatgatggt ttggaacatt atctcgag 158

&lt;210&gt; 1842

&lt;211&gt; 179

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1842

gaattcgcgg ccgcgtcgac cttaagaaaa ctaagatata aactaccaag tgcctttaag 60  
 aataaaaaata agaataagaa tacaaggag cactactctt ggctacacga aagatcttgg 120  
 gattcatgac actgagggca gggagaagaa agaaccacag ccacgcagag aacctcgag 179

&lt;210&gt; 1843

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1843

gaattcgcgg ccgcgtcgac gtctcataaa aattgaagca aacctagaag gaaataaaca 60  
 tctggcagcc aattccagat gaagcttaat ttgctctacc ttggtttat tatctctttt 120  
 ctttttcaca gagggctctt tgagcagttt tgtgagttta acctagcaat ccctggagct 180  
 gaactcgag 189

&lt;210&gt; 1844

&lt;211&gt; 217

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1844

gaattcgcgg ccgcgtcgac taggatttat ggaaagagga aggaaggcac agaactgggg 60

```

aaaggttctg gttttgttct gttatttctg tgcattgtt actgtttgtt tttctttttt 120
tgagacagag tctcgcaatt gtccccagg caggagtga atggcgcaact cctggctcac 180
tgcaacctcc acctcccagc ttcaagcgat tctcgag 217

```

&lt;210&gt; 1845

&lt;211&gt; 326

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1845

```

gaattcgcgg ccgcgtcgac cacaactgga ttttttagtt ataacagcca gaactggagt 60
cttcattcc agtgtatttt ctttcatttt aagggtgaaa taagacctgg atccaccaag 120
gtcttgggag agattgaaga aagacctga gcaagggctgt tttttgcctc tgauggctgc 180
cttcctgaaa tctcatgagg ggactatget tagttcctgc tgtttccaca gttcttagga 240
aaatgcagcc tatcttcatc ctaattcttc tgtcaacttc tgcctctgtc acttctgagg 300
gacatttaaa gcaaccacag ctcgag 326

```

&lt;210&gt; 1846

&lt;211&gt; 189

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1846

```

gaattcgcgg ccgcgtcgac acgtaattct ctgcatttgg cactacatac gagaaatata 60
attttaatta gtacttcaaa gcatactaaa tttctaatcc attgtgagct ctattcattg 120
atattatttc attttgacat tgacagttaa ataggttgaa gtatgcttat taaaaatgta 180
actctcgag 189

```

&lt;210&gt; 1847

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1847

```

gaattcgcgg ccgcgtcgac caagagtatt tttatcaagg gtgagagtct aatgaagtca 60
atcaaattat cctatttaat cctaaattat catagtatt ttataaatac cagaaaaaca 120
agcctttctg cagtatctga gaaaatggg tatgaccatt caatccatgg gcacctcgag 180

```

&lt;210&gt; 1848

&lt;211&gt; 117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1848

```

gaattcgcgg ccgcgtcgac ttgaattctc gacctgcctc gaactactta tttataatc 60
tttgtggcta gacctggaa: cctggctttg tttcttggg cctctctccc tctcgag 117

```

&lt;210&gt; 1849

&lt;211&gt; 407

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1849

```

gaattcgcgg ccgcgtcgac ccagctgatt ctgatctttg ttctattgtt ccagttgatt 60
ttgtttacag tcttttaaga ggcattggct tgcctcaaac atttttacct gttttctttg 120
tgaacttaag aatgactggg ttactctcaa attgtgcctc aaagtacagt cctctttctt 180
ggacaggatc catgctgcag aatgggtgtc ctgattttga gaccaagtct ttgactatgc 240
actctattca caattctcaa caaccaggga atgctgccaa atctctctca agacctacca 300
cagaaactca gttttcaaat atgggggatgg aagatgttcc cctcgccacc agtaaaaaagc 360
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<210> 1850  
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 <213> Homo sapiens

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<210> 1854  
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 <212> DNA  
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<400> 1854  
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 taatgtttct tcatctccca ttactcgag 149

<210> 1855  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 1855  
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gttaaagaac agacattaat ttccagttga atgtattttt gcaaggcatct actcgag 177

<210> 1856

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1856

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ctcaatcatg gacaaagtcc gctgtttcct ggacctcagc ttgaaaggcc caaccatcac 180  
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<210> 1857

<211> 257

<212> DNA

<213> Homo sapiens

<400> 1857

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ttcctgctgc cactcgggcc ttgaattcct gggctgtgaa gacatgtagc agctgcaggg 180  
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tggcagccca actcgag 257

<210> 1858

<211> 238

<212> DNA

<213> Homo sapiens

<400> 1858

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tggggtttgg ggtttctacg ggtacaggat agggaggcat ggcggggcca aagcaacact 180  
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<210> 1859

<211> 160

<212> DNA

<213> Homo sapiens

<400> 1859

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aataactggt atattttcag gctatgccc cccactcgag 160

<210> 1860

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1860

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agtgtctatc cctccaagaa gacttttcaa ctctgttaga ccaatgttcc tcaaaccttt 180  
tttactcgag 190

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<211> 152

<212> DNA  
 <213> Homo sapiens

<400> 1861  
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 tggctcacac atgtagtcac agcttactcg ag 152

<210> 1862  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

<400> 1862  
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<210> 1863  
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 <212> DNA  
 <213> Homo sapiens

<400> 1863  
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 tctgggtatc tatctaataa taaacccagc tttattatc atttcaactc ctgccaaga 180  
 catgaggctc gcaactcgag 199

<210> 1864  
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 <212> DNA  
 <213> Homo sapiens

<400> 1864  
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 gctgggctgt gctggaatca ccaacaggca cagaaaaaat gacaacaaaa caacaacaaa 180  
 accccaaga atatcctgtt ctctcttgcc aaagtccagg aaaggggagc cccaucagag 240  
 acccagtaca gctcgag 257

<210> 1865  
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 <212> DNA  
 <213> Homo sapiens

<400> 1865  
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 gaattaggtc tgtctctac gtttagtaca atctcacc aatgttccaa agaaatattt 120  
 atggtggcac tcag 135

<210> 1866  
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 <212> DNA  
 <213> Homo sapiens

<400> 1866  
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 tccctgtctc ctctgagttc ttgctttaac caaatattat ctcttcagat aqgtctctcc 180  
 tgcctcgag 189

<210> 1867  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 1867  
 gaattcgagg ccgcgtcgac aacatctgta ggaggcctac cctttactaa ttttcttctt 60  
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 aatctatttt tctactaaa gtaccaaata aatcagaatc tttcactctt ttaaaacaga 180  
 cccttcgcta tggttgcttc ttgtcttttc ttgtctggtt atgcaattcc actcgag 237

<210> 1868  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 1868  
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 ctgtgtcacc cagactggaa ttcagtggca tgatttcage tcaactgaaac ctctgccacc 180  
 agggttcaag cgattctctt ccttcagcat cctgagtagc tgggattaca gatgcctgcc 240  
 actgcacacg tttgagcaga ccaattatga ggcaattctc ctaactctgc ttcagagaagg 300  
 tctcgag 307

<210> 1869  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 1869  
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 tacttgttct catctcgat atgagcacaa gtaaggtttc agagcaacac acactcgag 179

<210> 1870  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 1870  
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 tctcttcttc agtttcattg ctccccctct cctcttgctc tgtacccctt ggcccccaag 180  
 ttctctccca accactcgag 200

<210> 1871  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 1871  
 gaattcgagg aaagaggcct acaattcttt cgaggactgc gaagagggga aaaaacgacg 60  
 agatgaaatt gtacttggtt qcagccgtgc tttatgtttg acctgtctga cacacagagg 120  
 ccccgaggga actcgag 137

<210> 1872  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 1872

```

gaattcgagg cgcgctcgac catttatctc ccacccagga tttttcttga cttgaattcc 60
tgctactctc tttttgtttg ctctgtctta accctactgg ctgccttcta cctctqgttc 120
ttcgcaactgc tgtttcctta gccttaaacg ttcttcagcc gcttacacca tgaacctttt 180
catatcctta ctcgag                                     196

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&lt;210&gt; 1873

&lt;211&gt; 174

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1873

```

gaattcgagg cgcgctcgac gcatgagcaa gaaactgctt gctttacaat tggcattttt 60
atctttttta aataatactg atattttccc cacctctcaa ttgtttttta tttttatttg 120
tggatatacc attttattat gaaaatttat tttatttata cacattccct cgag      174

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&lt;210&gt; 1874

&lt;211&gt; 174

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1874

```

gaattcgagg cgcgctcgac gaagtctgat cacctcagga tgggtgaaac gagttcttct 60
ggagaacata ttggaaataa taaagtattg tgcctgatca gttgttttgt tactctgtct 120
tttctgttgt tgttgttgag atggagtctt gttcttgttc cccacaagct cgag      174

```

&lt;210&gt; 1875

&lt;211&gt; 106

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1875

```

gaattcgagg cgcgctcgac attttatctc acctacctca aatattttct ttttttttaa 60
tttaaaaaag atgaaacact tgaccaattt gctatctatc ctcgag                                     106

```

&lt;210&gt; 1876

&lt;211&gt; 246

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1876

```

gaattcgagg cgcgctcgac tgcctegaac gcttcccat atttctatt ggaaaaataa 60
ggtttgtttt ccagtaagat atttcatttt ttaaaaaaat ctgcttctac tcaaggctgg 120
ggttctattt gtttttaaat gaagccacc aaacctcca agtgcaattc agatttacat 180
ctggctaacc ctgcaaatat gaccaaccaa attcatgttg tttatttat ttattttttt 240
ctcgag                                     246

```

&lt;210&gt; 1877

&lt;211&gt; 236

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1877

```

gaattcgagg cgcgctcgac tattgaaaaa tattatttat aagtacttgc cttatttcc 60
tgaagtctgt ttattttagg aggatttgtt ttcaacaaga cttaaagatt actaaggaaa 120
gataatttgt ttcccaacac agtgtatcca aaataatttc tgtggaatat taatattgaa 180
ttgtcatgga aaattctaaa ctagaaattt attacacgaa agcaacaaca ctcgag      236

```

&lt;210&gt; 1878

&lt;211&gt; 385

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1878

```

gaattcgcgg ccgcgtcgac ggctattatt ctcataatttg ataggtttcc ccaagaatta 60
tctgtttcca cagacactgc ataggttcca ttagttgctg tggaaagtga agtaatttat 120
tctaggaact gtgactgtgt gctgtgaaaa gattgcattt tgtaacata atttctacgg 180
cgttctgttg atggggcctc tcaaatactt cttggacctg tcccttctat ttcttctcca 240
ctgtcttagt tcacaccctt gcctgcactt ccatgttttt agtttgtttt cattcatcca 300
tctcgcctat ggctccttga gtgctttttt tgaaacaaac ctgacatatt caattcctgg 360
aacaccctgc cacataccac tcgag                                     385

```

&lt;210&gt; 1879

&lt;211&gt; 255

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1879

```

gaattcgcgg ccgcgtcgac gcctgttata cttccaagtg gagatgttga gtagacagat 60
ggatgtatga atggggcagg gggatccctg aaggaggagg tataaagggt ggagtcatta 120
acatacagac agtacttgat gtcataagag atgacagat aattactaag aggcataata 180
tagatgagaa aaggattgag ccgtgagcac tcccaccctg aaagtctggg gagttgagaa 240
cgaccagac tcgag                                     255

```

&lt;210&gt; 1880

&lt;211&gt; 170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1880

```

gaattcgcgg ccgcgtcgac ttatggcctt ttagtaatat gtttaacta acatgttctt 60
tgtacattgt tttctgtaca acaacgtatt tggcctaaa ctgcatgggt cagtttagaa 120
cacacatcca tcatgtaaga tacaagcagt atgatggagg cgtctctgag 170

```

&lt;210&gt; 1881

&lt;211&gt; 647

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1881

```

gaattcgcgg ccgcgtcgac agattgacca cattgatcac aatatgggag tctggagaac 60
ggttaccatc ctcagcagcc tctctacta caccaacttc atcttcgaca cttctgttgg 120
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aaaaaggtgt aattgggttc ataaatggaa gtaatacctc atctgtaatt ggtatcaaca 600
tatctgtact atccactact gcttcaaggt ccatgggact cctcgag 647

```

&lt;210&gt; 1882

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1882

```

gaattcgcgg ccgcgtcgac cttgagaaaa accttcataa gcagaatcag aqaaaaactt 60
ctggacattg taatgctctt aggagttcac agcttctcaa atttgataaa ttaaaaaatc 120

```

```

aagctctacc tggtaggcag cttgtggttg tggtcagaga aagctttaat cataagtagg 180
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gaaggtacag tacaagtaga aggcaaggag gtagcatatg tatctggaaa acagtaaata 360
aatcagtgca tgtaaactgaa aaatataccg tcagccacac tgcctcccaa aactgtattt 420
ccagcgttct cctggacett ctgggcactt ctaattgctt attattatta ttttcagaaa 480
gtgtctcact ctgatgcagt ggcgcgatct cgcctcacca caaccttcac caaccaggc 540
tcgag 545

```

&lt;210&gt; 1883

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1883

```

gaattcggcg cgcgctcgac tgagtccttt ggtaacgggc ataatactca caaggaaata 60
aatattcagt tccatggcat ttgcaagaca catgttcttt aggacagita atattatgac 120
acatctgttt tattttgtta ctaaggcagc ctatgttaaa gggctctgtc tcgag 175

```

&lt;210&gt; 1884

&lt;211&gt; 336

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1884

```

gaattcggcg cgcgctcgac cctgtgattt ctcaccagct tcctttccac ataggccgct 60
gcttctcttc tccaagggtt tttccccgtt ttgctctctt ggaggttgta tctggggtgt 120
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ttcacacat gtattttata aacagcaaag ctcgag 336

```

&lt;210&gt; 1885

&lt;211&gt; 536

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1885

```

gaattcggcg cgcgctcgac aaggcatcca aaagataggt aaatccctac tggactttgc 60
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tcatttaact gcttgcttcc cccacaatgg aaccactttt tatgtccata atcctatttt 180
caccaatatt ggggggtccag cttcaatacc aagtgttaaa acagattcaa cagttagcca 240
cgctaaactaa ctttaacttt tgttacattt gtacctcagg atcactatca gctgaagttt 300
taccattacc attagaagat atagtcagg tcaatgccag agtcactgtt gccacccagt 360
cagaagttac atateccagt ccagctgttg aaagettatt cctaacagtc ttatctcaga 420
tcataagaaa caaccctaat tttaatttta caaatgcccc aaatccctga agggtttttc 480
acaacctaac ctcagacagc caattcccaa ttgttttcac ttcccaccat ctcgag 536

```

&lt;210&gt; 1886

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1886

```

gaattcggcg cgcgctcgac cacagaaatg cagggaccat tgcctttctc aggcctctgc 60
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cccccaaatg ctctctgtgt caataacatt cactgcacct gcaacctatg atatacttct 180
ggatctgggc agaaaaatatt cacattcttc ttggagacat gtaacgacat taatgaatgt 240
acaccacctt atagtgata ttgtggattt aacgtgtgtt gttacatgtt cgaagggaat 300
ttctacgtgc aatgtgtccc aggatataga ctgcattctg ggaatgaaca attcagtaat 360

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tccaatgaga acacctgtca ggacaccacc tcccaatgg caaccctcga g 411

<210> 1887

<211> 130

<212> DNA

<213> Homo sapiens

<400> 1887

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gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgttagga tgcacacac aaaccccggt 120  
gcgcgtcgag 130

<210> 1888

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1888

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gcctgtgttt tttctctttt ttctcaaccg tctctcttct ggctccctta tttctctgtc 120  
tgctcccggt tccctctttt gccttgggtg tttctctctt gccgtccctt ccacacgctt 180  
cccggttccc tgcctcgcca gggcattgac acagggaagt accacgcgcg ggtgtctacc 240  
aacagcgctg agtggggagg cgctgtgtgt aaggcgggca ggaagtgtgg ggacctgggt 300  
caccgcgtgg tctactgccc cgagctgcac ttcagcgagt tcacctcagc tgtggcggac 360  
atgaagaact cagtggcggg aggtttggag cctcgaaact ggagcctgcc acatgggtgg 420  
agccgggagc gcggagccct gccttcaggg tgctggtgca cccaggggagc tggggccccc 480  
cagaagcauc tcgag 495

<210> 1889

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1889

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agaagtggag aaaattaatg accagtatat tgcagtgcga ggugcagagt tgataaaaaac 180  
agtagatatt gaagaagctg acccgccaca gctaggtgac ttacaaaaag actgggtaga 240  
atataactgc aactccagta ataacatctg ctggactgaa aagggaacga cagtgaagac 300  
agtatatggt gtgtcaaaac ggtggagtgga ctacactctg catttgccaa caggaagctc 360  
gag 363

<210> 1890

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1890

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agttgtgtgt tttatttcca taaaatttgc tggaaaaagt tcaagaattt aaagtatcca 180  
ggtgaaaatg atcaggtatn atattcgttc ttaaaactac aacagcattt ctctctctac 240  
ccttctctct tttgttctct tcccacgctt ttcttctgtt tcataacttc cctctctctt 300  
tttaacttct ccttttttct tttttcttta acttctctct ttgttctctt ccaatctctc 360  
gag 363

<210> 1891

<211> 425

<212> DNA

<213> Homo sapiens



&lt;400&gt; 1891

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gaattcgagg cgcgctcgac gccggaggag aagggaaggga aggggcatca caggggcaaa 60
gctgggaggg ttcaagtctc aagataagag ggccacgggc agctgctcac ccaagagaa 120
agcactttta actctagagg tacccaacag gcaatataag atggatatta aggtcgtaga 180
ctctagagac aattggaact gaagtctaaa cagctagcag gaacttagac aagtcatta 240
atcattctaa gcttgcttcc ttgtctgcag aatggaatag taatagcctc atcatagtgt 300
tactgtgaaa ggtaaatgtt tataacatgc ttactaaaat gctgttttt atagtaagt 360
ctcaataact agaagctatt actcattcat gtattcaata catattactg agtgcttato 420
tcgag 425

```

&lt;210&gt; 1892

&lt;211&gt; 304

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1892

```

gaattcgagg cgcgctcgac cctaaaccgt cgattgaatt ctataacagt gcaataagg 60
aaataacatg caggatatct actttattat ttctctacac ctttcatggg ggtgggggct 120
acagatggtg cctcactgtt gcctgacatg tccgggagtg gctgatgttg cctgttggac 180
tgaaacctgt gtggtatttg agacacactc ccaccccatc aggcctctgt gcacctacc 240
tggtaccaga ccaccacagg acatcaggga agtttgctg agaccccaag tgcgcagtct 300
cgag 304

```

&lt;210&gt; 1893

&lt;211&gt; 229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1893

```

gaattcgagg cgcgctcgac cgtctccca catcctttct gagtggatgc gcttgtcttt 60
ctgcttgaac tctagtttga tttctctgt gctggggctc ggggagctc aactgctgac 120
agagaatgag gacttttcca cccacacccc cccacttctt gtttctgaat gctgctgtcg 180
ggctgcttgg gccaggctctc atggggccca gctggaggct tccctcgag 229

```

&lt;210&gt; 1894

&lt;211&gt; 437

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1894

```

gaattcgagg cgcgctcgac cctgcccag cctgttttat acacacccc tttatatagg 60
ttgtccctc tatgtcctt ctccctttt ccttttcate ttggtttcaa aatcatttgg 120
ctatgagcaa gttataacta taactggacc tgacttttgg caatattcac aactatttag 180
gagttcttgc aaagacagaa aaatcaacct acaagtgttt ttcaaaaata tactcatttt 240
cttttagttga cattccacgt ttttagacat ttaattaaat atttatgttc aatttggttt 300
cgtttgtttg ttgttgttt ttttgagac aatgtctcgc ttgtttgctt aggtctggagg 360
gcagtggtaa gatcatggct cactgcagcc ttgacctccc aggtccagc aatcctccca 420
cttcagccac gctcgag 437

```

&lt;210&gt; 1895

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1895

```

gaattcgagg cgcgctcgac gtaactaaat acctctttac ttcaactgcta tttataagg 60
cccttttggg tttgttttat taataatcat ctagaattca aataaatgca tatgccactc 120
ttgccacttc ttctcagcat agtactagaa gctcragcca gaggagttag acaagagaaa 180
gaaataaagg gcatccaaat cggtaaaag gaagtcaaac tgtcagtgtt tgcgcactat 240
atgatcattt accttcaaaa ccttaaggat aactctgag 279

```

<210> 1896  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 1896  
 gaattcgcgg ccgcgctcgac aggaaccaca gcaatgaatg gctttgcac cttgcttcga 60  
 agaaaccaat ttatcctcct ggtactatct cttttgcaaa ttcagagtct gggctcggat 120  
 attgatagcc gtccatccgc tgaagtctgt gccacacaca caatttcacc aggacccaaa 180  
 ggagatgatg gtgaaaaagg agatccagga gaagagggaa agcatggcaa agtgggacac 240  
 atggggctcg ag 252

<210> 1897  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 1897  
 gaattcgcgg ccgcgctcgac cctgtcctgt gctaggtctt taacgtcctt cccagatgtt 60  
 atgtcccttc ccttgggtggc tgcctgttcc tgcacattt taccttgcg tcccgcacca 120  
 tctcgag 127

<210> 1898  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 1898  
 gaattcgcgg ccgcgctcgac aaataaaca cttagttact cttagatttc agaaatgctt 60  
 tttaggatgg tcaacttgtt ttggggacaa atggcaagca gttattttct gagaggtagt 120  
 gaacatggcg attccactca ctggctgggt gggtccttcc tcccttttcc tcccgagag 180  
 agccccctgt tgagctcttg cttggccctt gaagtgtctc cggtcgccct ggggaacttt 240  
 ccttggggtc cacttgcctg ttgttcaaat ggcaagccag cagccgcgtc aacacctgct 300  
 cctcacacac acgtgtcctg tcacctctct cagctgcctc tgcgcccccg ccacacacac 360  
 actgcctctc acctctctgc actaatctgg ctccttcccc tgagcccttc ctccttgacc 420  
 tgaccagggg tccctctcga g 441

<210> 1899  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<400> 1899  
 gaattcgcgg ccgcgctcgac gttgaattct agcgctgtga gagaagaaa agatadagtt 60  
 atcagaactt tgaagccttt ggctgcataa ggagtttata ggatatagat tttttgttgc 120  
 ttggtttttt tcagtctaa gataataaaa aatgataact aacatataca tagcacaatg 180  
 cctggcattt tcaacatgtt ttcacatctc tgagatattt aacttgccaa gccatcttag 240  
 gtatcacagt acagtatgct tctacattat ctgttttcag ttaccacag tcaaccacag 300  
 tccggaactc gag 313

<210> 1900  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 1900  
 gaattcgcgg ccgcgctcgac accgtcgatt gaattctaga cctgcctcga ccattccgcc 60  
 caccacacac attcttattt tgcctgctag gtccctcttc tcaatttttt taaaaaaaaa 120  
 ttgtattaga atatgcataa cataaaagtt accattttaa ccatcatggg cctttgtttg 180  
 ttgttttgtt tgtttgtttt ttgagacag agtcttgctt taccacctac gctcgaag 237

<210> 1901  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 1901  
 gaattcgcg cgcgctcgac gtgcatttgg tatacaccac gggggccctg gaaccaagac 60  
 cctctctctc tgccttgcct actggctggt gtgactctta ggagctctcc taactgtctg 120  
 gcgggtcctt cccagtctcc tttgctggtt catcctttgc tctgctctct aatgttagcc 180  
 agcatccagg gctcattcct gggctccctt ctattctctc tacacatgaa cctgggggct 240  
 ctctccagct cctgggtgtt aaataccagc tataggccta tgacttccca gtctcaatct 300  
 ccagccagac tcgag 315

<210> 1902  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 1902  
 gaattcgcg cgcgctcgac gtgagaatca cttgaacctg ggagacagaa gttgaagtga 60  
 cccagatca caccactgca ctccagcctg ggcaacgagc aaaactccat cttagaaaaa 120  
 aagattgggg atttaatttt cgttaggttt tacgtcctta gaagataaga tctagttctt 180  
 tttttctgt ctitttaacat ttatgtctaa aatatacaag gaatgcagaa tgcattatta 240  
 tgcctgtttt atgcagtttt atcttttgag tgccttagat gcacttctga ccccatccct 300  
 cgag 304

<210> 1903  
 <211> 364  
 <212> DNA  
 <213> Mus musculus

<400> 1903  
 gaattcgccc aaagaggcct aattttaaag aacacaaaac tattaatgat taatatgtta 60  
 aaatgtacaa tgggtatgtaa atactttctt tgacttaatt actgctttga actttattaa 120  
 tgtatgattt ttgtaggcat ttttgggtgat tcttttacta agtatcttaa atttaacgaa 180  
 ttcttaggtg gctgtgctgc taatggatcc ccagggtgct ttgtatagcc agtcaacct 240  
 taaagactgt gcgacagtgt ttgctctgag cactatgacc agctctgtgc aggtatataa 300  
 ttgtctctag aatatccaag aagatgatct tcaacatcta cagttattta cagagtgtct 360  
 cgag 364

<210> 1904  
 <211> 500  
 <212> DNA  
 <213> Mus musculus

<400> 1904  
 gaattcgccc aaagaggcct agggaggaaa gtttcatcag cctcttggtg ctctactgcg 60  
 ttctgggtgc cactccaact gctattatct ccattgggtga aatatccatg taattcataa 120  
 agtcaacaaa cgggtccctg attgctgagg agaaaatgat cctgacaggg gattgttgc 180  
 actgagccc attactccga aggaacatca ggttcctcgg ggtatttgcg ttgggtctt 240  
 ttgctactga cttttttgta aacgcggggc aagtcgtcac tggtcacctt acaccatact 300  
 tcttgacagt gtgccagcca aactatacca gtacagactg ccgggcacac caacagttca 360  
 tcaacaatgg caacatctgc actggggagc tggaaagtgt agaaaaagct cggagggtct 420  
 ttccctccaa acatgtgtgt ctgagcaatt actccgctct aatggccacg atgtatataa 480  
 caagcacaaat caaactcgag 500

<210> 1905  
 <211> 514  
 <212> DNA  
 <213> Mus musculus

&lt;400&gt; 1905

```

gaattcggcc aaagaggcct atttcacat ggagctctcg cggcggatct gtctcgtgca 60
actgtggctg ctgctcctat cgttcttact gggtctcagc gcgggatctg ccateccactg 120
gcgggaaccc gaaggcaagg aagtatggga ttatgtgact gtccgaaagg atgcccacat 180
gttctgggtg ctctattatg ccaccaaccc ttgcaagaac ttttcagagc tgccctcgtt 240
catgtggctt caggggtggtc cgggtggttc tagcactgga ttgggaaact ttgaggaaat 300
tggtccctctt gacacccaac tcaagcctcg aaataccacc tggtgcagc gggccagctc 360
cctgtttgtg gataatcccc tgggcacggg cttcagctac gtcaacacaa cagatgccta 420
cgcaaggac ctggacacgg tggcttcgga catgatggtt ctctgaaat ccttctttga 480
ttgccataaa gaattccaga cggttcaact cgag 514

```

&lt;210&gt; 1906

&lt;211&gt; 444

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1906

```

gaattcggac tactacaggt ggctacacg ctttttecta gctgaagat ctctgtgtgc 60
atgatgagtc ttaagacggt ggggtatcca tttttatcca gtttgttaca tggaaatcgt 120
accagcgatt ttgaacgcac gtctgtgagg tggaaaccaga aggtctgtttg aactgtggga 180
ttggtgtttc caaagaatga gagtcttttg tatgagcgag aacaagagcg tatgcagaga 240
cgggtggtgc attttggaa actaagtgtt caatgtgtct ctcaatccag tggcaatgat 300
gagcgtgtgc agagagcaat gggagcaagt aacgtacgaa tgtttcttgc attcaaaagga 360
cttttagctta tttgaaagac tgaggctaaa tctatttgtc tgaaacagtt tgtacattta 420
tttccagcct gccctaaact cgag 444

```

&lt;210&gt; 1907

&lt;211&gt; 337

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1907

```

gaattcggac tactacaggt gggaaaagca gaagtatctg gaagagaaaa tgacacaaag 60
tgtcttatec aagattatca aaaccggata tgcagcactc caactggagt acttcttcac 120
cgccggcccc gatgaagtac gcgcctggac tatcgagaaa gggacaaaagg ctcttcaggc 180
tgcaggcaag atccacacag atttcagagaa gggttttatt atggcggaag taatgaaatt 240
tgacgatttc aaagaagaag gcacagaggc atctgtcaag gctgcaggaa aatacagaca 300
acaaggcaaa aattacacag tagaagaaga cctcgag 337

```

&lt;210&gt; 1908

&lt;211&gt; 352

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1908

```

gaattcggac tactacaggt gcaacacag gttgggcaga ataacaatgt ctgnaacaag 60
gaaagtggac tcattactgc tactggteat acctggactg gtgcttctct tattacccaa 120
tgcttactgt gcttcgtgtg agcctgtgag gattcccatg tgcaaatcta tgccatggaa 180
catgaaccaag atgcccuaac atctccacca cagcaatcaa gccaatgcca tcttaccaat 240
tgaacagttt gaaggtttgc tgaacacaga atgtagccag gacctttctg cctttctgtg 300
tgccatgtat gcccacattt gtacacacga tttccagcac gaaccactcg ag 352

```

&lt;210&gt; 1909

&lt;211&gt; 261

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1909

```

gaattcggac tactacaggt gcttatgact attatggcta tgacgattac tatgattata 60
atggctacga ttaccataat taccgggttg gatagatga tcccttctat ggttacgaag 120

```

actttcdaagt cggagctaga ggcaggggtg gtagaggagc aaggggtgct gctccatcca 180  
 gaggtcgcgg ggcgtgtccct ccccggtggca gagccggcta ttcacagaga ggaggcccg 240  
 gatcagcaag aggtgctcga g 261

<210> 1910

<211> 408

<212> DNA

<213> *Xenopus* sp.

<400> 1910

gaattcggac tactacaggt ggtgggttga gcatggagct tgaagagttc gagegtaata 60  
 attcccagag tcgcctactg agctctccgg taccggagat atgtcggact gaggactgct 120  
 qccttgggat agatgaggcc ggacggggac ccgtgttggg tcctatgggt tatggaatct 180  
 gctactgtcc tgtggcccg aagaaggacc tccaagattc aaaggtggca gactccaaga 240  
 cactgagtga agctgatagg gaacgactgt ttgagaaatt aaatgggttc tcagattaca 300  
 tcggctgggc cttgcataata ctgtcaccac atatcatttc caccagcacg cagcagaggg 360  
 caaaaatacaa cctgaatgct ttatcccatg acaccgcgaa gactcgag 408

<210> 1911

<211> 444

<212> DNA

<213> *Xenopus* sp.

<400> 1911

gaattcggac tactacaggt ggagtcagac accatggtga agattgcgtt cagttcgcgc 60  
 ttccgcggcca aaaaacctag caaggacgtc gaggtcttgg tggcagaaac ggatactgag 120  
 gttgcagctc aagggaactga aaattcaact ggaagatgcc tgcctacact gttgggcctt 180  
 qctttcatct tagctggact aatagtgggt ggtgcttgta tctataaata ctttatgcgc 240  
 aggcacaagc tctatgaagg agtaatgtct tattccgagc agcatgatct tgttgaggag 300  
 ccttatracc ttctgtcttc agaagaagcc gatatccgag aagatgacaa tattgcactt 360  
 ataactgttc ctgtaccaaa ctttgacgaa agtgatccag cagcgatact tcatgatttt 420  
 gataaacttc tgacagacct cgag 444

<210> 1912

<211> 349

<212> DNA

<213> *Xenopus* sp.

<400> 1912

gaattcggac tactacaggt gcgagatata gctgaaaatg cgggtacctta gtgcagctgg 60  
 gctgcttgtg ctctctgtat gttctctatt tcttactcca ggggtctgcc acacaggact 120  
 tggtcgagga tttggggatc atatccattg gagaactctg gatgatggga agaaggaagc 180  
 agctgctagc ggcctacctc ttatgctagt gatccacaag acatggtgag gagcatgcaa 240  
 agcattaaag ccaaaatttg cagagagcaa ggagatttca gaactgtcgc ataactttgt 300  
 gatgggtaac ttggaggatg aggaggaacc aaaagatgat gccctcgag 349

<210> 1913

<211> 282

<212> DNA

<213> *Xenopus* sp.

<400> 1913

gaattcggac tactacaggt gtgagaagtc aacatggcag agttgtggct atcactttct 60  
 tgcattgtct ccttgcctct actgacaaat tcatctccac ttaccttcca ggaaagaatg 120  
 ctctttaaag ccttgggggt gaacaccaga ccaaacccca ttgctccagc tctgtacct 180  
 aaatctttaa gagacatttt tgagaaaggg ataaaccagg acaatccctg catgatggaa 240  
 ggtttcggag tacctggaaa tattgtccgc attctactcg ag 282

<210> 1914

<211> 450

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1914

```

gaattcccat agcaacaaac agtagaggat gttagcagttt cgacctctca gaaacgcaca 60
agttctgcaa cactgaacca gccagctagc actccacagg gcccaaagtc ttttatggaa 120
gtaaacaatg acagaatgca tctgatttta ggcatcagca ttcagttctt ctgtgcacca 180
cgacctgagg aacctattga acatgtgact gcgtgtcttc aggctttaca tatactgctg 240
gaggctccat tttccagaag tcatattgca gaagaccagg ttattggagt ggagcttttc 300
aatgtccctc atcgcttctt cttaacttgg gatacctctt ctgtgcaact gctggcgact 360
actgtagttc aacagatagt gagggtcgtt caacacaata tacaggagca aagaaatgct 420
caaaataaag atqacacaag cgaactcgag                                     450

```

&lt;210&gt; 1915

&lt;211&gt; 125

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1915

```

gaattcccat agcaacaaac agtaattccc atagcaacaa acagtagttc ccatagcaac 60
aaacagtaat tcccatagca acaaacagta attcccatag caacaaacag tatggcggtc 120
tcgag                                     125

```

&lt;210&gt; 1916

&lt;211&gt; 461

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1916

```

gaattcccat agcaacaaac agtagggaaa agaagtgcac cactaacaag accaactgac 60
agatcgtttg gccctattcc aatatcgcca actcaaggat gaagtgcatt gtctcctgc 120
tggtttgctt ctctatcgga tgggttcact ccaacccccc aaaaaagtt aacattgcaa 180
aatgtggaga agctccacag agctcagatt acagacctga gtacaatgct gctgctgcta 240
tcgatgggtg tagagactca aatatgatgg cgggttcatt ctcccttact ggtaacgaca 300
agccatcttg gtggcagttg aacctaaagc acaggtacaa agtggagaag gtggtgatag 360
tgaacagagg aactgctgc agtgagcgcc ttttgggagc ccagatccgt gttggattca 420
cagccaatct gaagaaccca ctatgtggca cccacctga g                                     461

```

&lt;210&gt; 1917

&lt;211&gt; 446

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1917

```

gaattcccat agcaacaaac agtagggtaa ccaaggcacg gaagtctggg gaattaaaagt 60
ctgaagggaac actgttaccg atattaaaac agtcaatttc ctccagcttc aacattattt 120
ttatcattta acaaaattgt cagacgaana ctattacaaa cgtggactaa aguagcagaa 180
acgtgacttt tttttttgaa gccacgcttg caatgaagca tcaacatatt ctagttttat 240
ttttgcttcc tatggcggtg attagttttt ttttctcttg caggattggt aagatttcga 300
cattttatata ttgaagtcca aattggcggg aggtgacaaa agaagaaaaca gaatttcadu 360
aagaagtga acaaatcttc aatgaagtag acagttcaat ttcgaagatc agcttctctc 420
actttgataa cacaacagtc ctctgag                                     446

```

&lt;210&gt; 1918

&lt;211&gt; 261

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1918

```

gaattcccat agcaacaaac agtactgggc ggtctcgagg ctctcaggca gaaacaaagt 60

```

```

atcttcagtt cgcgcagcgt gtgaatactc tgaaccaaga acttagcaga gggtcctctg 120
ggggagttgg ataaccacat atacaggctc tgcctctctc tggttcctaa atagatgcac 180
ttattacagt tcttcatttc acagacctca ttaccacaa acagcttgtc cttacggctc 240
atttcgcttt ctgctctcga g                                     261

```

&lt;210&gt; 1919

&lt;211&gt; 383

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1919

```

gaattcccat agcaacaaac agtagagagg gaccacattt actcccatct actcctcttg 60
ctgattcatt taccctgtgc tttaaggaaa gagcaagttc ccataagga aggaactatg 120
agcctctccc actctctctc ctgttccctt tggcagttgt ccattttgag ccgggcaaat 180
ctcaagaggg agttcagagc cgcattgttg gaggacacga tgcttcctaa ggaatgttcc 240
cgtggcaggt cagcctgagg taccacaaata aacacgcgtg tgggtgcgact ctcactcagc 300
caactatata cctgacagct gcacactgct tccccctcaga ccacataatg agtgattact 360
ccgtaaacct gggggctctc gag                                     383

```

&lt;210&gt; 1920

&lt;211&gt; 478

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1920

```

gaattcccat agcaacaaac agtagccaga caagttgggc tcaggttgta cagacaaaat 60
ggcagagaaa gggctctcgg ggatggtgac ctccattgtg ttggggaata ttgttatatt 120
gctctctggc cttgcgctgt ttgcagagac aatctgggca accaccgacc cctacaaggt 180
ctactctact ctgggggtga ctgggaaaga tgacgttttt gccggcggct ggattgccat 240
attctgtgga ttctcattct ttatacttgg agtcttttgg atcctcgcag tgcagagagg 300
gagtcgcact atgggttctga cgtacttggc gctgatgatg atcgtctata tatttgaatg 360
cgctctctgt atcacttctt tcacacacag agattacatg atcaactcca atgtgattaa 420
gggtcagatg ttgacgtact actcagacag cagcaccccc cagggaaggg agtcagag 478

```

&lt;210&gt; 1921

&lt;211&gt; 360

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1921

```

gaattcccat agcaacaaac agtaccata gcaacaaaca gtaacaaaca gtatcctaaa 60
atgcttgatc tggaaaatct gagcggtaaa attaatcttc ttacttgagc taactatttg 120
tgctctgccc agtataaaac gatggggagc tgctgccttt gagttcattt ctctacctga 180
ggaaacacac acttcacagt tgtttttaag tctctcgatc atgatttaaa ttgattggac 240
acttggttaga ttaaggagat gcaggatctt ccaactgcac aggcatttgt catgatcttc 300
tgctgtctct gaaactgttg cattcatgat ctccatttta taagagttct tatgctcag 360

```

&lt;210&gt; 1922

&lt;211&gt; 335

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1922

```

gaattcccat agcaacaaac agtacagaga gcattgtctga tcagggaagcg aaacatctta 60
gcaggagatc aggagacaaa aaagatggag gggattatat caaactcaaa gtcattggac 120
aggacagcag tgaattcac ttcaaggtag agatgacaac gcattcctaa aagctgaaag 180
agtcatactg tcagagacag ggcgttcctaa tgaattctct cagggttttg ttggaagggc 240
aaagaatctc agatcaccag actcctaaag agctcgggaat ggagggaagag gatgttatag 300
aagtttatca ggaacagact ggggttcctc tcagag                                     335

```

<210> 1923  
 <211> 221  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1923  
 gaattcccat agcaacaaac agtacgatca ggagaaagaa gcgattattc ggcgagcggc 60  
 tcgagctttt cccgatttcc ctccccctgg gatctgtttt agagatatta ctctgtctct 120  
 taaagaccct ttggctttct gctctgccat tgatctcttc gagagacacc tgaggggcaaa 180  
 ttttccaaag attgatgcta ttgctgggct tgattctcga g 221

<210> 1924  
 <211> 358  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1924  
 gaattcccat agcaacaaac agtacaacaaa gttctttatgg gaagcaaac aaaaaactgt 60  
 atactgtatt ataataaaaa aaaaaagagg ttatttttggg acagtatagt gttaaaaata 120  
 gcaaaaataag atttcagtat taaacttgag atttctagta ttttttattt gacaaatgac 180  
 tttaatcttt tcaattcttg ttatatgggt gccctcccc cccttaccac agtggtatat 240  
 tatatattat tatttttctt ctactgctgt aaatttatgt tgtgggatgt taacugcaga 300  
 gagaggggtc ggcaagtggg gttcttctcc tactaaccca gtgcacagac ccttcgag 358

<210> 1925  
 <211> 175  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1925  
 gaattcccat agcaacaaac agtaagcggc tgcagcttta gtggaggagg agacgagaag 60  
 atatcgacct acgaagaact acctgagtta ttgcccacc ccagactatt ccgcatttga 120  
 gactgaaatc atgaggaacg agtttgaaag accttcggcg cgcacgcccc tcgag 175

<210> 1926  
 <211> 472  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1926  
 gaattcccat agcaacaaac agtactcagg gaggacagaa gtgactcaga aaatgaagga 60  
 cgattctgga gttcgggtgt accagtcocat cattatcttc ggcaatgtgg tcatggggct 120  
 ctgtggtttg gccctggcgg ccgagtgcac ctctcttctg tcagaccaga gtggcatcta 180  
 cccgtctctg gaggtactg acaacgatga cataatttgg gccgcattga ttggcatctt 240  
 tgcgggattc tctctctctg tcttgcttat cgtcgggata attggcatca tgaagtcgaa 300  
 caggagaatg ctgatggtgt atctcatctt gatgtcatt gtgtatgcc tgaagtggc 360  
 ctctgccatc actgctgcaa ctcaacaaaa tttttctt ccagagctct tcttgaacaa 420  
 gatgctagaa ctttaccaaa atcccaaccc aatcaacaaat gacaacctcg ag 472

<210> 1927  
 <211> 530  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1927  
 gaattcccat agcaacaaac agtataacgg ggaactctgc ttacgttggg ttaaatcatg 60  
 aacaaacgct cgtactcttt gtgccttggc ctatgggttaq cctgcacatt aagcaaaccc 120  
 acagagaaga ggatcgtgtt catcatgact ctacagcttag tggtaaagtt catgatgatg 180  
 cacaataatt tgaactatgac catgatgctt tcttgggtgc cgaggatgca aaaacatttg 240  
 atcagctaac acctgaagag agcaaggaga gactgggaat gatgttaggt aagataaact 300



tggataatga tgggtatgtg acggaggggg aactgactgc atggatcaag aaagcccaaa 360  
 agaagtatgt gtacgacaac gttgagcggc agtggcagga gtttgacctg agccaggatg 420  
 gactcgatgc gtgggatgag tacagaaatg tcacctatgg caattacctg gatgatcagg 480  
 atccagacaa tagcttcaat tacaacaaa tgatgatgaa gaggcctcag 530

<210> 1928

<211> 479

<212> DNA

<213> *Xenopus* sp.

<400> 1928

gaattcccat agcaacaaac agtaggaaga tgcctctcgt tacagctctg aggcctcggg 60  
 cagcgctaat gtgcctcgtc ctgggtgggc aagtcagag tcaaggatgc aaatgtagaa 120  
 cgcactacat gggtaaatgc gataacagcg gtgcactctc agattgtcag tgtacctca 180  
 ccataggggc cgattcccaa cctgtgaact gctcaaaatt aattccataa tgttggtga 240  
 tgaagagaga gagccttggg acaaaggcag gtcgcagagt taaaccagca caagcactta 300  
 ttgacaacga tggactgtac aatccagagt gtgatactaa tggggtgttt agggcccggc 360  
 agtgcaacaa tactgacacc tgcctgtgtg tcaataccgc cggggtcaga agaaccgaca 420  
 aaggggacaa aaactggaag tgcccggagc tggtcagaac taactgggtg attctcag 479

<210> 1929

<211> 345

<212> DNA

<213> *Xenopus* sp.

<400> 1929

gaattcccat agcaacaaac agtaatcagc atgcagctcc tgtggatcac cgtgtgcta 60  
 cttctcatct ctgggtgccat agctcagaat acttcctcgg cagatggggg tcttactcca 120  
 cttagtacat ctgtgataat tgcatttcca ggatgcaaag actccggaaa gactgttaac 180  
 ctgatcgtag caaatggcac aactactgta caaaatattt cctccaggt accacagtgc 240  
 cgccttaaac gagatgttgt tgtgactaat aattcacagt ctggtaatgt gcagactgtg 300  
 aatgtgggct atcaaataca aaacctacaa ccaggtgacc tcgag 345

<210> 1930

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 1930

gaattcccat agcaacaaac agtagaagaa cagtaacgaag tgtgtgcttc tgggaacaga 60  
 gacatcatga gtctacagtg gacggctgtc gcaaccttcc tgtatgtgga agtgttttta 120  
 gtgttgctgc tgtgcattcc ctccatttcc cccacaagat ggcagaaaat ctccaaatct 180  
 cgcctgggtc aattgttagt gtcatatggg aacacgttct tctcgtctct gatagtgaat 240  
 ctgggtgctgt tattactaga tgcacttggg gaaatccagg aatatggagt cggggagcag 300  
 gtggatctta aqaataacct cgag 324

<210> 1931

<211> 328

<212> DNA

<213> *Xenopus* sp.

<400> 1931

gaattcccat agcaacaaac agtacaagag cgtgtgcttc tggcttatgg tcaacatggt 60  
 ggaagctgac cgcacaggca aactgtttat tgggtggtctg aacacggaga ctaatgagaa 120  
 ggccttgagg gccgtgttct gcaaatatgg acgtgtggtt gaagtctctt taatgaaaga 180  
 cagagagaca aacaagtcac gaggccttgc ctctgttacg ttgaaaagcc ctgaggatgc 240  
 caaagatgca gctagagaat tgaatggaaa ggcactggat ggcacaccta ttaagggtga 300  
 gcaagcaaca aaacatctg aactcgaa 328

<210> 1932

&lt;211&gt; 403

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1932

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gaattcccat agcaacaaac agtactggga agggtttagt aacatcagcc ggcatatcgc 60
tacgaatatg agacgctata gcttcgtccc ttacttttac cggcggtact ttttcattgt 120
actgataatg tgcgttttca ctccagtaaa aagtgaata attaccttag agagtggcaa 180
tatagatgac attttaagaa atgctgatgt tgccttagtg aattttctatg ctgactgggtg 240
ccgattcagt caaatgctgc acctatatt tgaagaagca tctaataaa tacaagaaga 300
atatcctgat aaaaataaag ttgtttttgc aagagtggac tgtgatcaac accttgaaat 360
agcacaaga tacaggatca gtaaatatcc tacactactc gag 403

```

&lt;210&gt; 1933

&lt;211&gt; 280

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1933

```

gaattcccat agcaacaaca gtaacaacac aagccctaca ggaagagaga tgggtacagt 60
ttggccctgg atatgcttag ttttacaggt ttcttggact tccccatgc accttaggaa 120
gcataatgaa ctacattgc tqagaacaa agtggaaagc catggagatc ccaataactt 180
catcaaaaca agcagagcag atactccctt taaggaaaaga gtgggcacct tccgggagat 240
gactgggtggg agacgttagc acagacagaa cacactcgag 280

```

&lt;210&gt; 1934

&lt;211&gt; 338

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1934

```

gaattcccat agcaacaaac agtaaagaat aggaggcagc actgacactg gtaaacacat 60
caaagagcat gattactaca ctectactgg agagtttctg ttggatagag aaggatcccc 120
cgctctgctc aattgcctta tgtacgagat gtgctattat cgctttggtc aagtctacac 180
agaagccaaa cgccctccag gttatqacag agtgaqaaat qcagaaatcg gaaataaaga 240
ttttgagctt gatgtttctg aggaagctta caccacagaa cactggcttg tcagaatata 300
taaaagtaaaa gacctggata atcgcggtt atctcgag 338

```

&lt;210&gt; 1935

&lt;211&gt; 118

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1935

```

gaattcccat agcaacaaac agtagcttct cggctctcag gtgggtgtgtg tgtttaggga 60
ttttctgctt ttgtgttttg ccagaattgg gagatttttt tgttttgctt ttctcagag 118

```

&lt;210&gt; 1936

&lt;211&gt; 441

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1936

```

gaattcccat agcaacaaac agtacctgaa ttgagtcctc ccgtctctct ggccctccat 60
gtctggcgcc gcgcgcgcct ttgacatagg attatccacc aagtgcgttc ccattcccaa 120
agagatggcc atgttcaatg acgtcggctt ctccggagatg cggcttgcaa acctgttggg 180
acacactaac atggcagaag tctgcccaca gtcagcagag tggcagaacc tccacagac 240
ttggtgcacc cccatgcaca ggaccttctt atgtctctta ttgcgccag tatgcctgga 300
cacgttcacc cagccctgcc gcagcatgtg ttgtgtgtga agaaacagtc gtgctccagt 360
cttggcatgt catgggcact cctggcccaa gagcttagac ttgacaggt tccagctgg 420

```

ggaagacatg tgtctggaca ctctcaqcaa agagtatcag tatgcctata aagaactgcc 480  
 aaagccaagc tgcaggggt gcccaattat tgaagaattc ttctcacaca agacaactega 540  
 g 541

<210> 1937  
 <211> 411  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1937  
 gaattcccat agcaacaaac agtaattccc atagcaacaa acagtaggct ctgtagggtc 60  
 tccgctatca tggctacgtc agcactgggc aagatggcgg tgcctatgca gcaggagcag 120  
 ctccgtgttg caaccgggct tcgttccctt ctctttctgt ggctgctgag tttagtgagg 180  
 gcaaatgaag ggcagggcgc acaggacacc ccacaccggc ggctcgagta taaatacagc 240  
 ttcaaaaggtc ctacctagt gcagagcgat ggcaactgtc ctctctggag ccactctggc 300  
 aatgcaattc ctacgctga tcagattagg ataacgccat ctttaaaaag ccagaaagga 360  
 tcgggtatgga cgaataacttt ggcaacttt cagaactggg aagtcctcga g 411

<210> 1938  
 <211> 353  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1938  
 gaattcccat agcaacaaac agtatgcacg tgcaagagge cttatccgga tccagaagat 60  
 gaggtccaaag atgaaatgat ccagtgtata gtctgtgagg actgggtcca tggaaaggac 120  
 cttggcgagc ttccaccgga gcataatggac ttccaggaga tgataatgcca gatctgcatg 180  
 gaecgatgtt cttttctttg ggcttatgct gcataatatag caattccctc ttgtacaaaa 240  
 ataacatctg ctgagatgga tcttgaaagc aaggatatca aggttgatga tagtctggct 300  
 gaggggtatc taggagaaga tgggccaacc attaaaactg ggaaaacctc gag 353

<210> 1939  
 <211> 295  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1939  
 gaattcccat agcaacaaac agtaaggga cacacctatt atgcaccact ccattcttca 60  
 tcatcagcgg cttttcaatt ctctggaaga tgacctaca catggatttg acactctgag 120  
 tctggagagt tctgatagtt tagacactag tgtttctaca ggaaactcgg catgttctcc 180  
 tgataacatg tcaagtgcta gtgggttaga catgctgaag atagaagaga tggagagaat 240  
 gctcttagaa gctcatgcag agagatccag gcttgtagga tccagtgage tggag 295

<210> 1940  
 <211> 361  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1940  
 gaattcccat agcaacaaac agtaactcga ataaactgcc atctttttat ccaccatatt 60  
 cactctgcca tccaagcttg cccaatgaca ttaactatcc cttttccca aatcagatgt 120  
 ttccaaaccc cagcacagaa aaacccaaca gcaatggctt aaacaacagg ttctggagca 180  
 tattatcccc accacggcct gtgggatttt tccaaacac cttccctctc ctcccagaca 240  
 tgcgcgaat gcacataagc aacccctccc atctgtccaa ctccaactta acgtccctct 300  
 tccctgaaat tgcacgaat ctcccaactg atggctctgc catgtcacc ctactctcga 360  
 g 361

<210> 1941  
 <211> 287  
 <212> DNA

<213> *Xenopus* sp.

<400> 1941

```

gaattcccat agcaacaaac agtagtcac agtaggtcgg gtgctgtctg ggtgcaagca 60
cctttgggca gggcaagggg tgcagtgggt aaggcgacca gcgggcagga ctctgtgtgg 120
atacagcagt ttaattttca gtggcctggg aagagaccca tcagaaaggc agttgcttca 180
gcagtgcaca tcttttcaact catcttcagt acgtaatgga ctgatgaat tctttgatga 240
tcccaagaac tggggagaaa aatctgtaaa atctgggtcaa gctcgag 287

```

<210> 1942

<211> 349

<212> DNA

<213> *Xenopus* sp.

<400> 1942

```

gaattcccat agcaacaaac agtaaacaga catggcgagg catcatccag atctgatttt 60
ttgcagaaaa caggccgggtg tggccactgg aagactctgt gaaaaatgtg atggcaagtg 120
tgttaatttgt gactcctatg tgcgtccatg cacccttctg cgtatatgtg atgaatgcaa 180
ctacggttct taccaagggc gctgtgtgat ttgcggaggg ccaggggttt cagatgctta 240
ttactgcaaa gaatgcacca ttcaggagaa agatagagat ggttgtccta aaattgtaaa 300
tttaggcagc tccaaaacag atctctttta cgaacggaag atgctcgag 349

```

<210> 1943

<211> 469

<212> DNA

<213> *Xenopus* sp.

<400> 1943

```

gaattcccat agcaacaaac agtagagggg ttcctcattc ctcatccagt aattcgaatt 60
tgctgcgggt ctgctgcctt ccgaaagcat gttgcgcctc gtcctcgtg ccttggtagt 120
tgcagtaact tcagctgact tcactgtatt gaagtcacca caaaatcaaa tattccaaga 180
gggaatttg cctgttccgg ctgacaggat tccagatata atctcgttgt caatgggatt 240
ttcgtggaa gaggatctgc cctggcctgg cttaggagtg ggcaaccttt tccagcgtc 300
ctgtgctaca gtctcgtga cagttaactgg agtgaataag ctcccgttg ctgccaatgg 360
actctcctar cctgtgqaaa atgctgttcc atacagtgtt gacagtgttg taaattctgt 420
tcactctgtg tttctgaag aaatgccagt aattttgcag cagctcgag 469

```

<210> 1944

<211> 489

<212> DNA

<213> *Xenopus* sp.

<400> 1944

```

gaattcggac tactacaggt ggacaaaatg gcgaccagcg gctgcatgaa agtcaccaag 60
tacttctgt tctgtttcaa cctcctgttc ttattcttg gtgcgtgat ccttggtatt 120
ggaaatatga tctcgttga caaaaccagc ttattttcaa tctgcagac cctccttgg 180
tacttgagaa caggctccta cattctccta gctgttgggg gtttaacaat ggtgatgga 240
ttcctggggt gcttgggagc agtgaatgag atccgctgcc tqtgqggcct gtatttcaac 300
ttcgggcca tttcttcat ggtcagat qcamccgaa tctgattta cctacagaga 360
gatttactaa agtccagat gtcctccta atccataaac tgattgtcac atatgaatt 420
gaagatgaaa agaacacgag ctccagagac acctgggatt atatccagag aaatttccat 480
gtgctcgag 489

```

<210> 1945

<211> 281

<212> DNA

<213> *Xenopus* sp.

<400> 1945

```

gaattcggac tactacaggt gtaggtttag aagaggttca ttacattta catattacag 60

```

```

ttcgttatct tatgaacaaa gtggattcng gttccctgaag actgaacttt cctatgagtg 120
caacatttgt acttatatc cttctgatcc ttcccttggg caggatcctt gcagcgtctc 180
tggtacactc ctcctcccta tctctgtat ccttgatgga gaaaccagtt acagggaggg 240
acgtttcacc tctgaattct cttcattcc tgaacctcga g
281

```

&lt;210&gt; 1946

&lt;211&gt; 437

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1946

```

gaattcggac tactacaggt gacaatttgt aggggtgagg gggcctcaat ttgtgtgcat 60
gattttcgat ttataaacca ttctattgtg taaaaccttc aaaatggcag aacgggcaat 120
ctttcctgtt tccgttttga ttccgatgaa tgcaacaatt taactggttg ccatgggttt 180
ctaccaggt gcaaatttgc ccagtattga taaatgacct ccagtgtgtg tatgttgtta 240
cattttacaa atgtatgact ttttggcatt tgaatcgat agagagattt tgcaatcttt 300
aaggacaccc taatccccc caccctctct ttttattaca ttatgtttgt ggaattagga 360
ttttaaaaga taaaccttat gaccaccat cccatcttca cccaaagcca ttaggcatt 420
cacatccatc cctcgag
437

```

&lt;210&gt; 1947

&lt;211&gt; 270

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1947

```

gaattcggac tactacaggt gatgtagata agaaataggt gggacacatt ccaagatacc 60
attctgagag ggtcttttacc atttcaaaga ggaactgttt gtacagttgt tgttggtaaa 120
agggacatct aaagaaatta gctgggtttc ctgtttaact tgtcatcagc caatcagagc 180
cattctccat ttgggtcaat ggcttagaaa caatataaca atggagtttg tttttgttg 240
agagagagat tgggaaggag gagactcgag
270

```

&lt;210&gt; 1948

&lt;211&gt; 333

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1948

```

gaattcggac tactacaggt gttttagtgc cttgagggtt gccctacaga gcattgattg 60
gggcatttag ttttcagcta aaaacacaga acagaaatgg ttgtccttta aaatgatatt 120
aaatcattac tgttctcaat ttattccctt aaggactaaa cgtagaagct ctaagaatca 180
tctgtgttgg cttaatacag aggtaaagat gttaatggga aagaagagaa aggcatttaa 240
aaactacaaa tctgtaggga cagaagctgc atttaatgaa tataaacact gtaataaatg 300
ttgtaaatca gcaatccgga aggccagctc gag
333

```

&lt;210&gt; 1949

&lt;211&gt; 284

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1949

```

gaattcggac tactacaggt gaggtagctt agacatttaa tgtgagtata gtgagtaagt 60
gtaagtctta aagctcattt atagctgaga gaggaagtgt agtgacgggg gtgtatgact 120
gtgcgttagt aggggacatc acattcatta ccttgagtat ctggagaggg taactgactc 180
ggcagcatca caaggatgtg gtcatctac gtcctcagct ggctgtccct gtttqttcag 240
gtggccttng tcaactctggc cattgctgac ggaacattct cgag
284

```

&lt;210&gt; 1950

&lt;211&gt; 536

&lt;212&gt; DNA

<213> *Xenopus* sp.

<400> 1950

```

gaattcggga ctactacagg tgcgtccctt ccttctctgt gccctctgtg tgggtgaggt 60
tcgtctgtccg gggcctgcgc tacatttgtt aacctcccgc cctgttgcgc ccgcagcgaa 120
gtctctccgc ctcaggcaag tgaaagccgc gtcccagatt gtcccgcagt gattatgcat 180
aaggagcacc tggcccagga tgagaatagt aatcccgcgc agggcccggg agccggaaga 240
aggacaaact gagtcccagc gagcaggaca tgaaccacat taacaagagc aaagcgaaga 300
gcggtctcat ggaggctaag ggctttgggc cggaccacaga gatcgagaca ttagccggcc 360
gtacagaaga cagtgtccct ctcagccctt ccaactccct caacctgcgt cacctgagag 420
gtcgcgagag agaccacatc gggcgcctac accaaagcta tcttccagc catcaccact 480
ctacagcta ctcctcccat catcactacc gacctttgta ctcagctac ctcgag 536

```

<210> 1951

<211> 426

<212> DNA

<213> *Xenopus* sp.

<400> 1951

```

gaattggact actacagggt agcctggaga ccgcgacag acatgtgttt tctacacctg 60
ctctcactat tatgtgtgtg gctgggtggc ccatctccag ccactgggga taatcgatac 120
aaacaagggg agccagtgat gatgtatgta aataaagtgg gcccatatca caatccacaa 180
gagacttacc actactacca acttccagta tgtgtctccg agaagatccg cctcaagagc 240
ttaacactcg gagaagtgtt ggatggagat cgcattggcag agtcttctga ccgaatttga 300
ttccgacaaa atgcggaaaag agaaactctt tctgagatga aattatcaat cagccaagta 360
gaggagctgc gcacagctat cgaagaattg tattattttt agtttatgct agacgacctt 420
ctcgag 426

```

<210> 1952

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 1952

```

gaattcggac tactacagggt ggcaataaat aagcatcgtc ttctctctct ttttcgtcat 60
tgcccttttt gctagcaggg caccgttagc gtccctttgt tactgtctgt aattgtgcca 120
aggaacaaaag taatttttctt gcaataccca ccggagggtc cgtccccaat atctcatcaa 180
gacagagatc gtcatgaagg ttccctctca gtgctggaaat ggtgttgctt cctggcagtg 240
ggcggccaac gatgacaact gtgggatatg tcttatggca tttaatgggt gctgtccaga 300
atgtaaaatc ccaggaaact ctag 324

```

<210> 1953

<211> 360

<212> DNA

<213> *Xenopus* sp.

<400> 1953

```

gaattcggac tactacagggt gcagaaagtc auctctacta ccactggcat gtctgcaacc 60
actagttata ctatggaggt cagctctact accagcagtc cagtgaattt gctgttttac 120
attactaaga aggaaccoga ccggcctgtt gaaatataat agatctgtct ccttcacata 180
tggaagtact gcaggcttgg gaacaaaagg agtgagatgc attatcattt ggcctaccgc 240
tggcaggaga aactggacaa caagtggcaa gacgtacca gcatggatgc aatggagagg 300
gcattctgac aaccgaagaa cgacagttaa ttggggatca gttttgcaac agacctcgag 360

```

<210> 1954

<211> 356

<212> DNA

<213> *Xenopus* sp.

<400> 1954

```

gaattcggac tactacaggt ggaggaccaa gaagtgtgga agtgttctag agctgcttta 60
tctagccaat cagaatgaac ggccagatgc tgaatgggtt ccacgatgag ctcatcgacg 120
aaggcagctt tctctttacc tcagagtcag tcggggaggg gcacctgat aaaatctgtg 180
accagatcag tgatgcagtc cttgatgctc acttgaaaca agaccagaa gccaaagtcg 240
cgtgtgaaac tgtggccaag actggaatga ttcttcttgc tggtagagac acctccaggg 300
catctgtgga ttacccaaaa attgtacgag acacaatcaa atacattgac ctcgag 356

```

&lt;210&gt; 1955

&lt;211&gt; 384

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1955

```

gaattcggac tactacaggt ggagggaggt tccttcataa gaatggatat tgtactgctc 60
ctctttctct catccctcct ccctgggagc tgcacttacg cggteccccg taaggacccc 120
actctacgct ttgtggctct cggagactgg ggggggctgc cgttccccc ctatactaca 180
agacagcagg agctgggtgc tgaagagatg ggcaaacag tggccaaact gggcgagac 240
tttattctgt ctttgggtga caatttctac tacgacggcg tcaccgatgt gtcagacccc 300
agatttaaga tcactttcga gtcggtgtac agctccgagt cctcatcaa acaccttgg 360
tatatactgg cggggactct cgag 384

```

&lt;210&gt; 1956

&lt;211&gt; 333

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1956

```

gaattcggac tactacaggt gcaaagctcc caaagttaaa aaagctggag ctcaagtaca 60
atcgcatctc tggaggatta gaggtactgg cagaaaggac cccaaatttg acacacctga 120
acctcagtgq gaacaagata aaagagatca acacctaga gctctttaag aagctacctc 180
atctcatgag cctggacctc tttaaactgt aggtgactat gctaaacaac tataaggaga 240
gtgtgtttga gcttctcccc cagctcacct ttctagatgg ctttgatgca gatgaccagg 300
aggctccaga ttctgaccca gaggcacctc gag 333

```

&lt;210&gt; 1957

&lt;211&gt; 297

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1957

```

gaattcggac tactacaggt gggaaaacct ataattccag agcgtaaata ccagttacta 60
tctaagattg aggatgggga aagtaacatt cctctgctt ctttgcccc ctctcttcc 120
actgagaaag tactctgtgt gaaagctaaa gccacttcta tcacatgaa cctctctatg 180
acaaagcata cacaggagag catccaacgc ttcgaaactgc aggtgggct cagggatgct 240
gggtatatgc cacacaagg cctcactgct gaagagacca aataccatcc ctctgag 297

```

&lt;210&gt; 1958

&lt;211&gt; 256

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1958

```

gaattcggac tactacaggt gattcattgc aaaaattgcc tctctggat cctqggaaca 60
tgaatatata ctaaagctat aataaatgca cattgtatca gtgtacaca atttggtggg 120
ccctctaaaa gtacatttta ataataataa ttgtacactt gagaacaagc aaatttacac 180
acacagttta aactttttta gtgttcagaa ttgttctgt tgggtgtatc gattattata 240
atatagagag ctctgag 256

```

&lt;210&gt; 1959

&lt;211&gt; 329

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1959

```

gaattcggac tactacaggt gttttaacag aaaagaaaga aggcgacgaa ggaggtggta 60
ggattgaatg gtcccatatc aaagatggta gttcttccag ttggcccaact atgatatgca 120
gctttgcaca agaaaaatgag gaagcagaag atggagggga tgattctcag agtgatgaag 180
agcaagaact aaatgggtca aatgaggaca gtggacatct ggcccacaat tttgtaatgg 240
ataaacagga tactgaaatg aaagaaaagc atggaaatga aacacagggg atgctggaac 300
tgggcaagga agaaagacag acctctgag 329

```

&lt;210&gt; 1960

&lt;211&gt; 396

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1960

```

gaattcggac tactacaggt gcttgattcc aaaatgacca agaagcgaag gaataacgga 60
cgtgccaaaga agggcccgagg ccatgtccag cccatccgtt gcacaaactg tgctcgctgc 120
gtcccaaagg acaaggccat caagaaatct gtccatcagg acatcgttga agctgcagct 180
gtcagggata tctctgaagc cagtgtcttt gattcatatg cacttcccaa gctctatgtg 240
aaacttcatt actgcgtcag ctgtgcaate cacagcaagg tggtcagaaa ccgctcccg 300
gaagctcgta aggaccggac accacctccc aggttcaggc ctgcgggtgt acctcagaga 360
gcacctccca agccaatgta agagacgtgg ctctgag 396

```

&lt;210&gt; 1961

&lt;211&gt; 528

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1961

```

gaattcggac tactacaggt qcaggaaggc tggtaaatq atttctctaa gtgagcaaaa 60
tcttggtgac tgctccagag ctccaggaaa ccagggatgc aatqgtggcc ttatggatca 120
agccttccag tatgtcaagg ataattggag catcgattct gaagactcgt acctatacac 180
tgctaaaggat qaccaggaat gtcactatga tccaaactac aattcagcaa acgacactgg 240
ttttgttgac gttccatctg gaagcgaaga agatctcatg aaggcagtag ctccagtggg 300
accagtttct gttgcagttg atgcaggaca tcaatccttc cagttttatc agtctggaat 360
ttattatgat cctgaatgca gcagtgaaga cctggatcat ggtgtacttg ttgtgggtta 420
cggtcttgaa ggtgaagatg tggatgggaa gagatactgg atcgtcaaga acagctggaq 480
tgagaaatgg ggcaacaatg gatacattaa gattgcacaa gactcgag 528

```

&lt;210&gt; 1962

&lt;211&gt; 269

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1962

```

gaattcggac tactacaggt gataaatggg qttacagatg gtatttgac tgcacccacc 60
ccatttgtag tccctgggaga tctgcttqac tctctgcttc tggcatattg tgcacagacc 120
ttacagtttg tggaaaaaaa tgttggtacc tggaaatata ataccattta cccaggggaa 180
aaattacatc ctccggatgt gtaattgacct cttaagaaqa ctatcaaat ctccagacc 240
ggttctctgc ggaaggatcc tgtctcgag 269

```

&lt;210&gt; 1963

&lt;211&gt; 267

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1963

```

gaattcggac tactacaggt gtggaaattg ggtgaactga gcattcgagc gaatagtgcc 60
ttctttacag ggaattatag tatgtggaat ctctatgacc ttgctctcat gttctcttat 120

```



gctcccttcac acaagcacta tggagatggc cagtctaatg atgggtgctgg aatgagcagt 180  
 ggagaggaac tttagctgac aaccacaatc acccatatcg atggacctac tgaattgtat 240  
 cggctggctg gcaggagggc actcgag 267

<210> 1964

<211> 309

<212> DNA

<213> Xenopus sp.

<400> 1964

gaattcggac tactacaggt ggaccggaga ggggcgacgg agatatgaat aaccaaggcg 60  
 gggacgagat cggaaaagctc ttctctggctg qccttgactg gagcacgaca caggaaaccc 120  
 tgcgcagtta cttttctcag tatggagaag ttgttaactg cgtataaatg aaagataaaa 180  
 caacaaatca gtcaagagggc tttagctttg tcaaatltaa tgatcccaat tgtgtaggaa 240  
 ctgtcctagc cagcagaccg catacactgg atggccggau tattgatcca aagccatgta 300  
 cccctcgag 309

<210> 1965

<211> 323

<212> DNA

<213> Xenopus sp.

<400> 1965

gaattcggac tactacaggt gctttggagg tcaaggaagg acatctgtgg tgcctgcttt 60  
 attctgcatt taattaaagc ttcttagctg aatgtgctta atgatactcg tgccacttgt 120  
 acagacacct aagcagtgc tctaatgctc tatttttaaac ctaaaaggcaa cttacacata 180  
 gttaatgctt taaagcagga gtccccaaac gccaggccgc ggacactcct gccctgggtc 240  
 gccgagccca gtgtcaaaa acgaggcacg ccaaatttta tcccagcgcg tccaaatttg 300  
 ctgccaaacc ctccgacctc gag 323

<210> 1966

<211> 535

<212> DNA

<213> Xenopus sp.

<400> 1966

gaattcggac tactacaggt gaagcttggc agctatggct ttgttttagcc atttccatgt 60  
 tggatgctcc atgccagagg ttgtctctct ttgtctctgtg atgttcttg ctatagtggg 120  
 tgagtccagc ctttccctgg ctgcgcaggt gaggtaacctg gaggcaaatg gcagtgtcta 180  
 ctatgttggg gagtgggtact tcttggactc ggaccactgc actcaatgtg agtgcaccac 240  
 agagggccca gccgtgtcta ggacagagtg cacagccttg ccaccagcct gcattgcgcgt 300  
 cagccactac cctacggact gttgcctctg ctgtgagaag attggctgtg aatacagagg 360  
 agaagtttat gagctgggag aacaatttca gccctcagaa tgtgaacagt gtacatgtga 420  
 cgtagacgga attgcccgt gccctgttagc agactgtgac cctctccat gcgttaaccc 480  
 ggtgtatgag aaggggaggt gctgcccgcg atgtaaaat ggtccaaacc tcgag 535

<210> 1967

<211> 281

<212> DNA

<213> Xenopus sp.

<400> 1967

gaattcggac tactacaggt ggctaaagc ccaggaccac cttccctata ctaggaaaaa 60  
 gaaactcacc aaacgtacta atataacctg ttttaattgc tatcaaaaag gacattttagc 120  
 gcgcactgt ccagaaaaatg aggacaagaa agaacaaaat tctcttagct cttataaaat 180  
 tgttccagac cggctcctat cacataaccc aaaccggggg aaatcttacc gtagtacqna 240  
 gggcccccgc ggaacctacc atttcatacc aaaccctcga g 281

<210> 1968

<211> 308

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1968

```

gaattcggac tactacaggt gaaggagtag gagggaaaagt gaaaggaaat taacacgcag 60
tgattcctcg ttatcaaaga tgtcacggca ggattctagg caagatggca aaaaaggctc 120
caccaaagaa agtaataaac gctctacatc tagtggaagg agcagttcag aatcgctgt 180
cctctacaag gataaaaagg ctaagaaatc aaaacgcagc agatcacatt ctgtggagaa 240
atcgcaaagg tctggtaaga aggcaguccg caaacacaug tetaagaccg gatcaagatc 300
gtctcgag                                     308

```

&lt;210&gt; 1969

&lt;211&gt; 349

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1969

```

gaattcggac tactacaggt gcataagatt actgtttgct gctgcgctta tcgctggctc 60
cgtgatcttc ttgctcttcc ctgggagctc agtggcagat gacaagaaga aaggggcgaa 120
ggcgaccgat aaggtatact ttgatttaaa gatcgggtgat gaggaagtag gaggtatagt 180
aatcggctct tttggaaaaa ctgttcttaa gacagttgaa aactttgtaa ccttggtaac 240
cggagagaaa ggatatggtt acaaaaggcag caagtctcac cgtgtgatca aagaatttat 300
gatccaagga ggagattttc ctcttqqaqa tggtaactgaa ggaactcgag 349

```

&lt;210&gt; 1970

&lt;211&gt; 319

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1970

```

gaattcggac tactacaggt gaaatacatt tgtgccattt tgtttgcttt gtaaatgta 60
atlttatatt gtatttctct cctgggattg tgtgtcaggg ttgctttctt gatccagtgt 120
aattaacatt caactgtaaa ttttcaatcc attgatgctc cgcctgcagg ctctctcttt 180
tacctgtccc tcgctggatg ttttagagtg cgggcattca ctggcttggg ttctcccatg 240
agaacacgta caatatctta ggtgtaacct ttttaactct tgttttqitt tctggggagg 300
gaatggggga actctcgag 319

```

&lt;210&gt; 1971

&lt;211&gt; 302

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1971

```

gaattcggac tactacaggt gtggggctct ttcgttqagt tatggtctgc aaagtgtta 60
gttcatggga ttttaaaatt actcaqaatc qatctgtaca gagacagcga gaaaatatac 120
acatgcagct aaaggaaatg ctccagtgaag gattacaaag tgaccgtcca acttctttaa 180
agaaqcaact gaagggtctt ttcattctca tgcctctctg ggcatttgtt ttaaggagct 240
ggcttggagg tgcagttagt gtatatctgc tgtcagaaca tctaacacca qttgggcttg 300
ag 302

```

&lt;210&gt; 1972

&lt;211&gt; 438

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1972

```

gaattcggac tactacaggt gaacccctga aaaactcttt gaaagtctca tctctcgggt 60
tacaagcgat gcattttctc gtgactatgg ggaaacccaa gtctctgctc tccagggaag 120
ggatcccgcg ttaccgatt acttccacac ccttttccga ctgtcagacc taaagcacat 180
ggctgggggt qggatttact acqaaaggga qgttaattga ttcaaatgca gagatggtaa 240

```

```

gaaaatagcg ttgccaaagac acgggaaagc cacttacctg catctcccca aagacttttg 300
cagcgggaag gccgctattc agttccatca gcccagagg ttaattgatg ccttgaggca 360
catcatggag aaattggagt gctctcttg tgccttggtt ggaagtaacg ttacatcac 420
tcccgggac tctcgag                                     438

```

&lt;210&gt; 1973

&lt;211&gt; 255

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1973

```

gaattcggac tactacaggt gataatctgt gtgtgcaaca gcgctgttat agtatctgtt 60
gctgtaccgg taattacggt tatcattcga agagccacta gacccctctg agctagacac 120
cgaactgggt gtacttcttg agtgactatg gtccattgca gggtctgtag aattactatt 180
acttgatatt gtcccttcac cagttgtttt cttgaagaag ttgtgctgga gggcatagaa 240
aggggtggac tcgag                                     255

```

&lt;210&gt; 1974

&lt;211&gt; 410

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1974

```

gaattcggac tactacaggt ggggtcttct tcaagggtgc ctggctccat gtctctcgaa 60
gaatgggtgg ccgcttctgt ctgggtgtgt atgatgagct gaagaaagtc atgtaaactt 120
atcttctctg agatgtctgt gaccaggcat gctgtattct gtaacctacc ctggacattt 180
atggacattc taattttttt ttttttgcca aacacactta ttataaaaat atatagctgg 240
taaaactatt agctgggtgt ttgggatcag ttctattaca tctcaccage ttccacaaat 300
aataaactcat tccctttaag tctcttgetg cttttaagag cctgcaactg tgcttccttg 360
caagggtttg gccctttggc agtgacagac tgattcaatg gagactcgag 410

```

&lt;210&gt; 1975

&lt;211&gt; 320

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1975

```

gaattcggac tactacaggt gaatacatct gtgccatcag agcctagcag tctcagagc 60
agtaacagta caagtcgttc agcttctcct gacgatatac ttgaacagat tctgcagat 120
gttaaagaat atgagagaga gaatatcgac acatttgaag cctctgtgaa agccaaatat 180
aatctcatga ctgaacagaa taatgggtgc atgcagaaga aattattagc accagacatg 240
ttcacagaat ctgatgacat gtttcagaca tactttgata gtgctcgttt taaggctgct 300
ggaattggaa aagactcgag                                     320

```

&lt;210&gt; 1976

&lt;211&gt; 455

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1976

```

gaattcggac tactacaggt gaattgaagc aatggatttt ggcctatctc aaaccacaga 60
cagcaaaaatt ttacaagagt atatcaatca agaaggctat aaattagaaa ctggagcacc 120
ccgtccacct gccacagtaa caaatgctgt atcgtggaga tcagaaggca tttaatatag 180
gaagaatgaa gtcttccctg atgtcataga atctgtgaat ctttttgtga ttgcaaatgg 240
aaacgtgtta cgcagtgaga tagtagggtc catcaaaatg cgaqtgttct ttccaggaat 300
gcccgaaact cgtcttggtt taaatgataa agttctatct gacaatactg ggcgtggaaa 360
gagcaaatct gtggaactgg aagatgtcaa gtttcaccaa tgtgtacgcc tgtcaagatt 420
cgaaaatgac aggacaattt ccttcattcc tcgag                                     455

```

&lt;210&gt; 1977

<211> 299  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1977  
 gaattcggac tactacaggt gaaaagtaca taagcaagtc gcttattgga ttgtcttttc 60  
 cagttatgtt aagtattact gatgtgtaca ttgttcttaa tgcattgttaa aacatgcttc 120  
 ccttttgtaa aatatatggg ctttatttgg actctactgt tctacttttt aagatgtttg 180  
 tgtgtttttt tgtttttttt ctttgagtaa acataaagcc tgatttttgt attacttttt 240  
 agttgttgtc cagttgtact ttatcaaata aatctgtaaa aacacagcgc tcaactcgag 299

<210> 1978  
 <211> 435  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1978  
 gaattcggac tactacaggt ggaagctcag aaatagtaca cgggtatcccg gagcggctct 60  
 gcagagaaaca tggcggatgt actggattta cagcaggcgg gcggggaggga cttecgctatg 120  
 qatgaagatg gggacgagag tatccacaaa ctgaaagaaa aggccaaagaa aagggaagggc 180  
 agaggggtttg gtgcagatga aggcaccaga acgaggatcc gqgaagacta tgacagtgtg 240  
 gagcaggatg gagacgagcc ggggccccag agatctgttg aaggctggat cctqtttgtg 300  
 accggggtac acgaggaggc caccagaqag gatatacacg ataaatttgg tgaatttggg 360  
 gagatcaaga acatccacct gaatctggac cgcaggacgg gcttctctaaa qqqctacggg 420  
 ctagtggacc tcgag 435

<210> 1979  
 <211> 478  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1979  
 gaattcggac tactacaggt gcgcgagag gccgtttata aaatgcagct ttttgtctga 60  
 gggcagagtc tgcacacct agaggtgtct ggacagagaga ctctttctca gatcaaggat 120  
 caaatctctt ctctggaggg aatctctctt qaagatcagg ttgttctctt tgcctggcttc 180  
 ccaattttct aggaacatac cctgcaacaa tgcggcgtat gtgatctcag cactctggat 240  
 gtagtgtcac ggcgtgttggg aggtaaagtc caccgctctc tcgctcgtgc cggaaaagtg 300  
 cgaggccaaa ctccaaagggt qgccaaagca gagaagaaga aaaagaagac tggccgggccc 360  
 aagagacgca tgcagtataa caqacgcttc gtcgaatgtcg taccaccttc tggcaagaag 420  
 aagggaacta atgcacaact ttaaatgata agagttcaan aaacaactga aactcag 478

<210> 1980  
 <211> 346  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1980  
 gaattcggac tactacaggt gaacagaggc gccatctatt ctgcagataa gnacagtgtg 60  
 tatgagatgg aatcacactg aaatataatc ccagaaatag taattgcccag ttgcacacac 120  
 actctctgtc catgggggta tgaattccca gaatatcttc cccactaac caqatctaac 180  
 ccaacacttc cctcnaaate ctacqccagg gagaanaaca atctctcttc ttatnaatta 240  
 cctttgcctc attatitaga tgaqccgctg agaattgtaaa ataacattta taataatat 300  
 tgatataaac tatggcccat ggtgttatat tgacccaacc ctccag 346

<210> 1981  
 <211> 310  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 1981

```

gaattcggac tactacaggt gtgataacgg cgcagctctc cactcaattt cagataactgc 60
taatggaaac tgtctctccc aattgtattt cgagaagccc taatttgcta tggagcttgg 120
agctgtcacc agttggggat tgtgggggtc catgggagct gccaggtttt tgccttcag 180
tttqtatctt tcactttcaa tagcacagcc ccttgctgc cagttagctg ataggccgcc 240
atgggggtta tggcacttca tacaatagga ccgggctgca caggctgact ttctaattgt 300
caagcttcgag 310

```

&lt;210&gt; 1982

&lt;211&gt; 341

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1982

```

gaattcggac tactacaggt gcaaagagaa cgcgagcggc agaggcagag agagcgagag 60
atcagagaaa tggagagaca aagggaaacg gaccgcagag cccgtgaacg tgttcttatg 120
atacagagaaa gagaagaacg ggagagactg cgaaggagc gcgccaggct tgagtttgaa 180
agagaccgtc ttgatcgaga acgtatggag cgcgagagac tagaaaagaga gcgaatgcgt 240
atagaagaag agcggcgaat agagcaggag cgcattcaca gggaaagggg ggagcttcgt 300
cgtcagcaag accgattacg ctatgaacag gatgcctcga g 341

```

&lt;210&gt; 1983

&lt;211&gt; 301

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1983

```

gaattcggac tactacaggt gcgcgtctcc cgggagttag gcaatagggt ttgctggaga 60
gagcgattga gagttagatt tgcgcggggc gctttaggga ttcatttctg tcccgagtgg 120
aactaacatg agactccccg ggaataagtg gctgggggca gcgtctcttc tcgtgctaac 180
ggctctctgt agagtgcgga gcgacgaacc cactggaccc ccatcaactt caacagaaaa 240
aacaataaca agtgcctccc tgcaaccgac cgcaggcagc aatataacag acatctctga 300
g 301

```

&lt;210&gt; 1984

&lt;211&gt; 304

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1984

```

gaattcggac tactacaggt gattgtatgt ccagcttcca actcgtgect cagagqaaat 60
acactgacaa cttcaaaaact tgttgaaact caagatggaa ttctggaaca agtatctctg 120
gacaaacctg ttggtgcggg ctctgatctt cgtgactgtt gctcggtatc agtctgacga 180
ctcaatgtgt ccacaggaca tgggtatacg ctgcaagcgg atttgctaca gtaactgtga 240
caatctaaac aqcaccagtg aaggtctgcat tgagatatgt aagctgggat gcgaccgact 300
cgag 304

```

&lt;210&gt; 1985

&lt;211&gt; 474

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1985

```

gaattcggac tactacaggt ggtggataac tgtgtgttca aacgtgggtga caaggagacc 60
acatgtacag atctggaggg attctgggat atgatctatt ttcagataga agatgtaaaa 120
qcaaaqcttg ttaatcttgg caagctggag gagaattctt ggcaacaaaa cacagcccca 180
accaaaaaaa tcataaagaa aaagattgac cctgctgcaa catcaaaqtc aaqccaaggg 240
gataatggca gggctgctgc tcgtagtctc ctctgtgcta ttaaagctgc cttgaaaaac 300
aaaggaaaagc aggaggagac caatgtatag gccctagcac tgcctaccca agttgaagaa 360
gttgtgttct atgcagggtt tcttcagatc gcaagccctg ccaaagttgc taacagtctt 420
agggcaaaaat gcagttcttc ttggtctatc cctactcccc agcccccact cgag 474

```

<210> 1986

<211> 347

<212> DNA

<213> *Xenopus* sp.

<400> 1986

```

gaattcggac tactacaggt gaaagacacc attagaaaag ccctggaaaa ctccaacgtt 60
gtcattaacc taatcggaag agagtgggaa acaaagaatt ttagttatga agatgttttt 120
gtgaatatcc cgagagatct tgcactgcta gcacggggagg ctggagtaga gaaattcacc 180
cacatgtccc atcttaacgc tgacctgaaa agcccatcaa agtatctgag gaataaggct 240
gttggagagg ccgctgtaag ggaggctttc ccagacgcaa tcatcatgaa gccttcagaa 300
atgtacggca gggaagacaq atttttcaac cattatgcaa actcgag 347

```

<210> 1987

<211> 275

<212> DNA

<213> *Xenopus* sp.

<400> 1987

```

gaattcggac tactacaggt gaaaaaaaaa ctgcagcaact attacaaqtt tctgtgtgtc 60
atattgccaa taatgggtgc aacaacctcc tggatattaa tctacaata tattttgttt 120
tgaacttcac ggggtgtcaga aacctgctta tgcattccaa cctactgcag gtagggaaga 180
gtgcaaaagt cgtttgtttt acctagattt ctgaaatgtg ataattctcg aatgtttttt 240
atttcacttt tattttatga ctgtgttaagc tcgag 275

```

<210> 1988

<211> 489

<212> DNA

<213> *Xenopus* sp.

<220>

<221> unsure

<222> (17)

<220>

<221> unsure

<222> (22)

<220>

<221> unsure

<222> (25)

<220>

<221> unsure

<222> (61)..(62)

<400> 1988

```

gaattcggac tacgaacggt gnaanaaatc atacaaggtg gaaqccatto aagtgttaqt 60
nngaaaggtg gaaagaagg tttgcaaaaa gaaqcaacag gaaaaaacat atgcatttgc 120
aacgttcaga taagccatat atctgcaaaq tgggtgataa atcctacact caccocagct 180
ccctaaagaa gcacatgaag gtccatgaat cacaagggtc tgaattcttc cctgcgcgca 240
gttcagggta cgaattcgtt accccacacg caatgggttc tgcacaacag gtggaacett 300
ccaaaaaatc atcagaacca cctcagaact acaacaatte tcataacaca qgaactactc 360
caccataatt taatgaatgg tatgtctgag caaaatgtag agaggcctag tcattgtcaa 420
caaaaaggac atgtgcaaaa aaacagaatc caattttttt tatgttgaac caaggcggaa 480
atgtctgag 489

```

<210> 1989

<211> 507

<212> DNA

<213> *Xenopus* sp.

<400> 1989

```

gaattcggac tactacaggt ggggttacatg gcttctctcc gactgtctgt gctgctcgtg 60
tcctgtcat ggtgtgtgt gctgggtgtt ggggtccg cgggacctg cactcttctc 120
ttaatggaga acatcgacct gcgggagacg cactctctct tcttccgcag tctatcggac 180
agaggatttg acttgtctct caaacacagt gatgatccga gcttgtccct tatcaagtac 240
ggggagttct tgtacgacaa tctaaccate ttttccctct cgttgaaga tttcgggggg 300
aacataaaca ttgagaccat cagctcattc atcgatgggt gcggaagtgt gctgggtggc 360
gcaagctctg atattgggga cctctccggg gagctgggca gcgaatgtgg cattgagttt 420
gatgaagaga aaacagctgt aattgatcat cataactacg atatctccga cccgggccag 480
cacacactta ttagggccga cctcgag 507

```

<210> 1990

<211> 294

<212> DNA

<213> *Xenopus* sp.

<400> 1990

```

gaattcggac tactacaggt gttccagttc agtgaacctt cagttaaata tacttgatgt 60
tagttaatga taatggaaaag gttatgtcat tataaaaaaa tgaatcaagt cttagatagg 120
ttttcagctt gtgaacaaac aaaagggcct caaccaaagg ggaacaaatt aaatactctg 180
gcactattag cagtgtgttt gttccttaac agccatttcc ttgtcatttg ttctggatct 240
cgtagatctt tctttttttt tttaaatgta ttgttatgca ctgtgtaact cgag 294

```

<210> 1991

<211> 279

<212> DNA

<213> *Xenopus* sp.

<400> 1991

```

gaattcggac tactacaggt gaaagacatg aacaatqttg ggtagtaaag cagtagaaaag 60
tcagcaaaagc tactaaatgg cttgtgaaat qttctgggtt agaattggtg taaacttccc 120
actgaatcca taactattgc catcttaagc agttattctg tgggtgtgctt aaacettatt 180
gttaaaacttt ttgtttttta attgaataac ttgcaagtag aatttgtggc atgagtaata 240
agtcttttgt gaaccacaac ttcctgacca gtgctcgag 279

```

<210> 1992

<211> 302

<212> DNA

<213> *Xenopus* sp.

<400> 1992

```

gaattcggac tactacaggt ggagaaacat agccactgtg acctgttcat atgtacatca 60
ttgtacaatt tttttagtgg atgcaattta ttttgtgtga ttgtacatta ctgaaactgga 120
atgtaaactgt tctcagaagg gttcattttt gagaattgaa tgtctggctg gaaatttctg 180
atcccatacc aaaactgggt ttgtaagcca tatattacat gtgaaacata cattgagtta 240
attgcaataq gcttaaaaaa gaaqtagcat attccagcca tcataccagc agcccgctcg 300
ag 302

```

<210> 1993

<211> 554

<212> DNA

<213> *Xenopus* sp.

<400> 1993

```

gaattcggac tactacaggt gggccacagc aatatttctg ccgttctatc agaagttcct 60
gtttggcangt ggtacctgaa gagagccgtg cgtcgtatcc atcggcagct tcttgtgtga 120
atttccttcg tacaacggga cgcagtctga gaaacggata aagctccatt gcgcacgtac 180
ctattcagtg tgcctgccat gtatatacct tggagtgat ctattgttgc atatcgttgc 240

```

```

taaattttgc acatattttc atgtttttct catgaaatat ttttaagaaag gtgtggccag 300
cataatctct tgtttttacat ttgtatttgc ccttgtttat aaatgtacat gtcatgcaac 360
gtaatgttct ttattttacag gctgctgtat acgcaacttc aaattgatct ctttttgagca 420
acggcagtggt aaataaagca cagtatttagc ggaaaaccaa tagttagttg cttttgtaca 480
gagcttcccc tgcagtcatt tttaaatcacc atataatgct gatgtacagc ctagctagag 540
cccagtaacct cgag 554

```

&lt;210&gt; 1994

&lt;211&gt; 279

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1994

```

gaattcggac tactacaggt ggtaaagatc cagggcattc gagttaaaga cgagagccca 60
ggaatcaggg atttttgaagc aagtcttcac agactaatgg ataaaaaac aaacggcaca 120
aggatcgaga tcaacgaaac tggtaacctc ctgtactatc agcccgggct tctctctgga 180
ggaaccttgg agcatgactg caatatactg cgtctctatc gctattattt agaaagtctc 240
ttttgcctag ctctctttat gaagcaccgc catctcgag 279

```

&lt;210&gt; 1995

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1995

```

gaattcggac tactacaggt gcaaaatgga aacatgtttt agcagttgag attaagtttt 60
gtacagatcc cttaagagcc tcttacacat gcagagtgc atagctagt gtgagcctga 120
aacattcttg ctataggett cttgtactgt ccgttcaagc taacttgatt tataaacctc 180
tgcttgctcc tttgcctgag gaatatcttc attttcagtt gaagtgaact tgtatcaaat 240
ctaagaattg gcatttttggc taccacaggtc tcttgacctat aaataaagc cctctgag 298

```

&lt;210&gt; 1996

&lt;211&gt; 325

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1996

```

gaattcggac tactacaggt gcagaaccgc aaaagaaatt gatcaagaag cccaggtcag 60
ccttagtgat ctaaggagcc cacaacatga ccttgacagg gtgaaggaagc cagagtgagg 120
cattttgatc ggtgtgtgca ctacaccttg ttgtgtgccc attgccaatg ctgggtgaatt 180
tgggtggttat tattgacctt gtcatgggtc ccattatgat gcattctgga gaattcgcaa 240
gggtctctgt ccattgaatc ttgaagtccc agaatacgag tttctctctg aagatttagt 300
aattgtcgga taggtacgac tcgag 325

```

&lt;210&gt; 1997

&lt;211&gt; 439

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 1997

```

gaattcggac tactacaggt ggttttagtg taccatcagc tctgatttct gtttaqtccag 60
gttatctatt acaagtacca cttaagcatg ctgaatttcc qqqagaaata attgctccga 120
taatacgttc tatctaatcc atctctgggt atgtgcgcta aaacaaattt taattttgaa 180
gtggacctgt cggccagaca cggaaagctg ttgtatggag gtctttttca ggttgaacat 240
gtccaaaaat ccggattcta tcttttctta aagcatctat ggtcttaggc tngtttgggg 300
atctcagctg tcaatcagat gtggtctgac cctctctggc gcccttaggc ggcattggag 360
cgggacagac ggttccctat gcttctcatt cggcgtcttc tgggtgtctc tgcctctctc 420
acgttccctt attctcgag 439

```

&lt;210&gt; 1998



&lt;211&gt; 409

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1998

```

gaattcggac tactacaggt gggctaccct atcacccttt atctggaaaa ggagcgggaa 60
aaggagatca gtgatgatga ggcagaggag gagaagaag aaaagaagga agaggaagga 120
gagaacgaca aacctaaaat agaggatgtg ggctctgatg aggaagagga agggaaagat 180
aagaagaaaa agaccaagaa gatcaaggaa aagtacattg atcaggagga gctgaacaaa 240
accaagcccg tctggacccg caaccctgat gatattacac aggaagagta tggagagttc 300
tacaagagtc tgaccaatga ctgggaggat caccctggctg taaagcattt ctctgtggaa 360
gggcagctgg agttccgtgc tctgctatct atccccgcc ccgctcgag 409

```

&lt;210&gt; 1999

&lt;211&gt; 364

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 1999

```

gaattcggac tactacaggt gcaaattact tacaatgtag gtggtttcta gttcagttga 60
agttaaattg gtattgtcga actacaaaact actttcacac tatatagaag ttgcttagaa 120
ttagctatct tataactcac ttaaaattac cttaaagggt aatcaccact ttaagccacg 180
tgtctcataa gaagaaatga tctacaaaat aactttaag gctquatttg gtaaatattt 240
ggatgcagag gtaaaaggag ggattattac tggagaaacc agtgattagt ttgagtgcaa 300
agaacaaata ttctgtatat atactttccc ccaaacacaa tgtccccacc tgtaqtaqtc 360
cgaa 364

```

&lt;210&gt; 2000

&lt;211&gt; 308

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2000

```

gaattcggac tactacaggt ggagccatgg gtccctggag gtatctgttt gggctctgct 60
ggttccctga ggttcatttt gcccgatcgg ctgttccctt gcttgcaaac tccgatttct 120
ctagccctca tcccactcag actacgatta cgttggaacg gccgttctgc atgtttaaag 180
atgccattga cgtttatctc tttgccattg tgaaaggctc cacaagcacc caagttgctg 240
atgccgccaa gaaggttatt gctcttaact acactggaac ccaggaggag ctactgggan 300
ctctcgag 308

```

&lt;210&gt; 2001

&lt;211&gt; 304

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2001

```

gaattcggac tactacaggt ggttggttat cctgagagtg tgaggtagcg gaataagaga 60
gagggaaggtc atgcccaacca tggggaagaa acagaatggc aagagcaaga aggtggagga 120
agccgagccct gaagaatttg ttgtagaaaa agttatggan aggggtgtag taaatgaaaa 180
ggttgaatat tacctcaaat ggaaaggctt tacagatcca gacaaacccct gggagcctga 240
agaaaaactta gactgtccag agttgatgaa agcaatccct tatttctcagg aggcagggtc 300
cgag 304

```

&lt;210&gt; 2002

&lt;211&gt; 372

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2002

```

gaattcggga ttactacagg ttgtaaatat ggaqaactctt gtttgaagggg agggagggga 60

```

```

gacccccaca gaagagcccg acaatgtaga actaagaaga cgcgcacttc agaaactgga 120
aacaacagat tctcaataaa agacttaacc ctctctcgaca ttcccaaagt ctctctcttg 180
acactgaacg accaggggaa ttctgcttcc tgaaaageta cgttttgcct tgcgcggact 240
cagcagccat ctttgccaaa ctttgatag aacttcgtta aatataatata ttttttacga 300
ctacacaagg gttcttatgg cagatgctca gtgatgaaaq gactactggc ctcaatatcg 360
gggggactcg ag                                     372

```

&lt;210&gt; 2003

&lt;211&gt; 287

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2003

```

gaattcggac tactacaggt ggtggattta cctgaggaaa acagagaggg tgcatacaat 60
gccattactc tgcctgagga attccatgac ttgatcagc cgtacctga tctggatgac 120
attgatgtgg ctacagcagt tagcttgaac caaagtcgag ttgaggagat tacaatgagg 180
gaagaagtta gcaacattaa tctctgcaa gataatgatt ttgttgactt tggcatggac 240
gaccaagaga tgatcgcaga aggcagcgct tatgaagatg actcgag                                     287

```

&lt;210&gt; 2004

&lt;211&gt; 414

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2004

```

gaattcggac tactacaggt ggcctgcag catctttgta gcttcattct tctcttgcat 60
ctctctcgag gttctgccag ccuaaccatt gaggcagact gcaatgacca caatatattt 120
tacgcagtag ataaggcact gagacaccac aacaaggcgt taatagatgg aaaccagttt 180
gttctctata ggatcacaga tgccaagata aagactgata atagcgatgg gatacataac 240
tttgtcagct atgatatacg agaagggttc tgtggagtaa aaagtggcaa attgtggcag 300
aattgtgatt ttaagcaatc tgatgaaaaa gtgggtaagt gtccggcaca cgttgtagtc 360
aaccaaaggt tcaagaccag tgaagtcac tctcagaact gtacacactc cgag                                     414

```

&lt;210&gt; 2005

&lt;211&gt; 280

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2005

```

gaattcggac tactacaggt gatcatcaga gatcaaaaga cagggatcgg caaaggattc 60
ggctacgttt tatctgagag tgcagacgcc gtccaaactag cgtgaagct gaacaactct 120
cagctctcgg gaagaaggat ccgggttaag cgcagcgcta cggcagaggg cgcacaaaaa 180
agtacaaaca aaacaagttt taagcagaag ttggacacat taaatcaaac aaaaaccgatt 240
aaggccaaca gttttgtcgg cgaacacagc gagcctcgag                                     280

```

&lt;210&gt; 2006

&lt;211&gt; 319

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2006

```

gaattcggac tactacaggt gcatgaagat tctgagctta ttgatttttt ctgggaacct 60
accaaaccac cccattgccg gtgttcttqg tacgctaggt cctagcttct ggtgtccacc 120
cctactttca ccaaacatat catctacaag aagctgtctc ttgtgccatgg cagaaatgca 180
agatagtctc aatgaaatgg ggtgttacac cccaaatcct gaagtaactg ggtgtgcttg 240
tctaaatcgg gatgtttcca ataaaaccat acacgtttcc gtaatttaag taaagaaaga 300
aataatcaat agactcgag                                     319

```

&lt;210&gt; 2007

&lt;211&gt; 315

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2007

```

gaattcggac tactacaggt gcaagcttta cagtaagaca tcccatggta ccatatacct 60
ttataaggct tgacattgca tgaatatattt agcttgaaac aaatgtgaaa aataaactaa 120
cagtaaaaata attagcttac atgaatacaa agttaaaaac aaatatgtaa tagttcaaag 180
attcagcaag gcatcataaa tgaataaaaac aactttgttc tacagtgtct agagattgct 240
gcttagccaa tatctagatg atatgtacct gtgcaaatcc ttaacagtgc agaaaaaac 300
ctgtagtagt ccgaa 315

```

&lt;210&gt; 2008

&lt;211&gt; 332

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2008

```

gaattcggac tactacaggt gtacaaacct tccaggttat tctgcaacag ttttactaat 60
ttttctgagg tggccatagt acatttgtga ttcgctatgg gggttgatgt actgttgggt 120
gggtgcattc acaacccggg gtggcacact gcacatatga taaatacttg ttttatatta 180
ataggccttg ccttgcccac taatatggaa aaaccccatc ataagatggc tgtgtggcta 240
ctggctgtga taagcagcat agcaactctt taccatataa caaaaaaagt tagcttgcgt 300
gtgatctcta cttgccaaag tgtgctctcg ag 332

```

&lt;210&gt; 2009

&lt;211&gt; 274

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2009

```

gaattcggac tactacaggt gagecaatga actgggaatg ctctcttaca gtttccctga 60
cacgtttctc tccaggtac tcaqtctgat ctctcttcag atgcaggatg actttgggtac 120
cacggccaat gggtccacca gtatcaacct tcacagtga ggagccacca gcagaggatt 180
cccaagcata ttgtctcatc tcattgtgtt tggtaatgac cacaaccttc tctgccacca 240
ggtatgcaga atagaaacct acaccgaact cgag 274

```

&lt;210&gt; 2010

&lt;211&gt; 326

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2010

```

gaattcggac tactacaggt gcattgatta gatacttcca gcataactgt ataaatatct 60
ataaactaaq gtgcatttct agatgctgga aaaactgcag cacaggatgg gccaaatgtg 120
tactgaaagt ttgggttgca gaagtataaa ggtaaggaga agttggcagt gatggaccgg 180
attatgggat ggtctttgta agcctctgtc gtaaaagggt tatttgcctt tgggttgaat 240
tttagtatga tgtagagcaq tcatccccag ccagtggctc atgaacaaat tgttactccc 300
agtggcctca aaacagatga ctcgag 326

```

&lt;210&gt; 2011

&lt;211&gt; 265

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2011

```

gaattcggac tactacaggt gaaacatcaa gccagcttgg attgataata gtcacaaattg 60
gactaaatct tcccacta gcttcttccc acatttgcac tcattgcatc tttaaagcta 120
tattatttct ttgttcaggt tcattatccc atagccttaa tgatgaacaa gatattcgaa 180
aaataaggag cctacaaaat tctttaccaa tcactacatc ttgcttaaca attggcagcc 240
taaccttaac cgggacaagc tcgag 265

```

<210> 2012  
 <211> 335  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2012  
 gaattcggac tactacaggt gagaagatag aaaagaggcg gcagatcccg ttccacatgc 60  
 acatcaacct ggagctgctg gagtgcgtct atctggtgtc ggccatgttg ctggagattc 120  
 catacatggc tgcacatgag ttcgatgcca ggagaaggat gattagcaaa cagttccacc 180  
 accagctccg tgtgggcgag aggcaccac ttctagggcc cccggagagc atgagggaac 240  
 atgtagtctc tgcttccaaa gcaatgaaga tgggagactg aaagacctgc aagaacttca 300  
 tcatcaacga gaagatgaac gggaaaggtc tcgag 335

<210> 2013  
 <211> 281  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2013  
 qaattcggac tactacaggt gcaaatcaat gcatggttgc taggggaatt tggacctag 60  
 ttaccagatc acttaagatg caaattgaag agctgctgaa taaaaagcta aataactcaa 120  
 aaaccacaaa taataaaaaa tgaaaaccaa ttgcaaatg tctcagaata tcacctcta 180  
 cattgtacta aaggtgaaca accactttaa taaatagcag tctgtctcgc attaatgagg 240  
 tcaataaatg gctgttttgc cccattcaag caaacctcga g 281

<210> 2014  
 <211> 365  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2014  
 gaattcggac tactacaggt ggcttcttct attctctgtc ggactttgag ctgggtccaga 60  
 cgttttttat ccacctccct ctttgcacgc aggaagagca ggatgccaga tggaaagccg 120  
 atggcccatg ccagacctac ttctctcaga gggtttttgg ctttgcgctg ggggatgtat 180  
 tctggtgttc tagaggcctg ttcttctgag ccaggtttgg cccacagacg tgagtgggtg 240  
 tgcagctgct ctgcattgtg tggatgtggg gactggaaag cagagaactg tgacttcaca 300  
 gagtcaacca aggcagccca catgcgccct cttctcactg acgcccaacat ccttcgcgac 360  
 tcgag 365

<210> 2015  
 <211> 384  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2015  
 qaattcggac tactacaggt gaaggggttt ggattactaa gtgaggaqgc ugtgctgttc 60  
 gcagactcaa ttgttqatgc tctggccaaa caacttgaaa ttatgctctc atttgggcca 120  
 ggagaaaagag acatgattct ttgagaaat gatattggca tcagacatcc ttctggccat 180  
 ctuuutcca aaaaatccag ttgggtctta taaggagatg taaatggcta ctgggcaatg 240  
 gctaaaactg tgggcacccc aacagtaatt gtgctaaaaa tgggttttga tggggaagtt 300  
 gaaagcaggg gcttggtaat tccactgacc aagaatatct atgqaccaa attagaacgt 360  
 gtcaggggaag aaggaattct cgaq 384

<210> 2016  
 <211> 339  
 <212> DNA  
 <213> *Xenopus* sp.

<220>  
 <221> unsure

<222> (114)

<220>

<221> unsure

<222> (117)..(118)

<400> 2016

```

gaattcggac tactacaggt gcagatacaa aggcccaaaag ccagatccct gcttgaacag 60
tgaacaataa ccgttaaaga gggattttct ttgcttaaac tgaattactc tgcncnca 120
agaaaagatt ccaacaccag gacaaatata caacatgttt tctccccccc cccccccat 180
tttttttttt tcttcccaat ctcttacgta ctttcaataa tataaataga tgtttgtgtt 240
ttacatcact ctagaagcct ttcttcttac agggttgcag gatgaacctt tttaaaggag 300
tattttctcc atctttcttg acatgacaat gccctcgag 339

```

<210> 2017

<211> 430

<212> DNA

<213> *Xenopus* sp.

<400> 2017

```

gaattcggac tactacaggt gggggggccc aaatacagcc atctgaacat ggaccttcac 60
gtgttcataag aggtcttttg accaccatgt gaattctata cacttatggc acatgcaatg 120
gaagaagtta aaaagttctt ggttcgctg acacctgagt ctctccata ccaggacatg 180
atggatgata tctgccagga tcagtttatg gatctttctt atcttaatgg agcaccacca 240
gagcaaaccc gaggaggatc aagaggtgga ccaaccaggg gccgaggggg cctccacct 300
cctgtagctc ctctctctag aggaagggtt gggcctcttc gccctcttgt tccaagaggt 360
gcccttggtc gtggagccat aacacgttgt gccagtgcga gccgtctgt acctccatct 420
gcttctcgag 430

```

<210> 2018

<211> 367

<212> DNA

<213> *Xenopus* sp.

<400> 2018

```

gaattcggac tactacaggt gaaaatttcg agagtgcac ttgaaaacga atgaggctcg 60
aaagctaaat catcaagaag tggtagaaga agacaaacga cagaagttgc ctagttaactg 120
ggaggcacgg aaagcccggt tagaatggga gctcaaaaac gaagagaaga aaagggaaatg 180
tgcagctaat ggtgttgact ttgagcggga aaagcttttg gaaataagtg cagaagatgc 240
tgaaagggtg gagaggaaaa agaaaagaaa aaatcctgac ttgggatttt cagactatgc 300
agcagcacag ctacgccaat atcagaggct gacaaagcaa attaaaccag acacggaagg 360
actcgag 367

```

<210> 2019

<211> 345

<212> DNA

<213> *Xenopus* sp.

<400> 2019

```

gaattcggac tactacaggt ggagatgacg ggggaatgag cgaacgaccc gaggagacgg 60
gggaaaaataa acggtataaa agccccaacc acugugagct ctccaaactca agacgatcct 120
acgctgtatt atatgaacct gctggggatg atattcagta tgtgtggtct catgcttaaq 180
ctgaagtggc gtgcattgat tgcagtttat tgcctcttta tcagctttgc caattctctc 240
agctctgaag acaccaagca aatgatgagc agcttttatg tatccatctc tgcgtgtggt 300
atgtctttatc tacagaaccc acagcccatg tcacctaccc tcgag 345

```

<210> 2020

<211> 298

<212> DNA

<213> *Xenopus* sp.

&lt;400&gt; 2020

```

gaattcggac tactacaggt gaccttqigq aaagtacaac gccatgggtc ttgaactggt 60
agggccaaagt ttagaagatt tgtttgacct gtgcgaccgg acgttcacat tgaagactgt 120
gctgatgatt gcaatccaac tgatctcaug gatggaatat gtacactcca agaacctcat 180
atacagagat gtttaagccag agaactttct tatagggcgc cagggaaata agaaggagca 240
tataatccac atcatagact ttggactagc caaggagtat attgacccgg atctcgag 298

```

&lt;210&gt; 2021

&lt;211&gt; 289

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2021

```

gaattcggac tactacaggt gggggagcgg agacagtgcg cggggcacac ggagcggagc 60
aacagatate ggaatacgcg acttgggttg acgttctatt gctgagacgc aagggaagaa 120
caagggggccc cagggaaacg agcgacggat aagaggatcg gggtaaatgg tgattggagc 180
ccgcaggatg caccgccttt ggtcttttct cttggtgctg tgcccagttt tgcaggcaca 240
acaattact gtcaacqaga agatgactgg taccctgagc cagctcgag 289

```

&lt;210&gt; 2022

&lt;211&gt; 531

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (284)

&lt;400&gt; 2022

```

gaattcggac tactacaggt gctccaccaaa attcgtgacc tattttctgt agcaagtgtc 60
tcccatectg agctctctca ccagcccagc tgaaggcatt gatgtccagc tagaggtgtt 120
aaagtgtctg gctgaaatga gctcctctct tggcgacatg gataaacttg aatccaatct 180
gaacaaactg ttcgacaagt tgettgaatt catgccactt cctcctgaag aggttgagaa 240
tggggacagc gctgccaatg aaagacccaa acctcaqtta agcnarcttg aatgtttact 300
gttcagtctc caccagctcg ggagaaagtt gccggacttc cttattgcta aagttgacgc 360
agagaagcta aaagacttca aaatcaggtt acagtatttt gctcggagtc tccaagtcta 420
tattcgtcag ctccgcctca ccttcaggg aaaatctgga gatgctctga aaacagaaga 480
gaacaaaatt aaagtctttg ccttgaaaat aaccaacaac atcaactcga g 531

```

&lt;210&gt; 2023

&lt;211&gt; 408

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2023

```

gaattcggac tactacaggt ggttacacca caaagtaaaa ttgtatggat ttctgaaucc 60
ttgtgcattg gahgtggtat ttgtatcaag aaatgtccct ttgtggcttt gtcctatggt 120
aacttgccaa gcaatctgga gaaggagaca acccaagatc atttgtgcaa tccctttaag 180
cttcacaggt tgcctattcc ccgaactgga gaagtacttg agttgggttg taccaatggc 240
atcggaaaat ctacagcact gaaaattttt gctggaaaag auaagccaaa cctgggaaaq 300
catgatgata ctccagatg gcaggagatc ttgacctata ccaggggttc agagttgcaq 360
aactacttca caaagattct ggaggatgac ctgaaggcca tccctcaq 408

```

&lt;210&gt; 2024

&lt;211&gt; 324

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2024

```

gaattcggac tactacaggt gttattttag agaatctgtg ttgaatctag accacagcca 60

```

```

tcccgtgact agagaccaca tggggaccgt tttaaatcaa gtgcggcaga aactttacca 120
gttcttgcaa gctgaacctc agaattgcttt acaaaaacct gctcgacgtc tgttgataat 180
gtacacaagga ctggtgacct ctacactgaq ttaaagatcc tgcaatgaaa atatttaatt 240
gtgatccaaa attaccaaca tcttcaggca attcccattg ttaaaaattg aaagcattta 300
ttttagtata cgtccgtgct cgag 324

```

<210> 2025

<211> 276

<212> DNA

<213> *Xenopus* sp.

<400> 2025

```

gaattcggac tactacaggt ggagaaagac cataaaaggaa aggaaaaggt ggagagaata 60
aaggatcata gcagtcaccac agatttttga atgaacgagc tagaaaaaggc ctatcggaaa 120
agccagtcac caaaacgttt caaaatgcga gagggatttg ataaattaaa actggcagag 180
ctgcgttttg ccaaagagga agcagaacag gagaaaaaag ggcgggtccag aaaggattcg 240
gacagcgact ccaaaaacca agacccaaac ctcgag 276

```

<210> 2026

<211> 430

<212> DNA

<213> *Xenopus* sp.

<400> 2026

```

gaattcggac tactacaggt gctcgatatg acaaggggga gccatacatg agcatccagc 60
ctgctgaaga tccggacgat tatgacgatg gatttctccat gaagcacaca gcagctgccc 120
gtttccagag gaatcacaga ctgacagtg aaattctcag tgaaagtgtg gtgcccgatg 180
tccgttcagt agtcacgact gctcgaatgc aggttcttaa aagacaagtt cagtcgctca 240
tgggtgcacga gcgcaagttg gaggcagaat tgttacagat agaggatcga caccaggaaa 300
agaagagaaa attcttgga aqcaccgatt cctttaacaa tgagttgaag cggctctgta 360
gtttgaaggt ggaggtggat atggataaga ttgcagcaga gatcgctcaa gcagaagatg 420
caggctcgag 430

```

<210> 2027

<211> 466

<212> DNA

<213> *Xenopus* sp.

<400> 2027

```

gaattcggac tactacaggt gatctcatta aagttactgt gttctgcagg gatattgcta 60
tctactatg ctgttccatt tgggctgac aggcgggggc accccccttc ttctgtttaa 120
gtagtgtctg gaagtggatg ggtgctgatg ggcagagaag caccgtttag tagactgcta 180
ggcctgtcct cctgtagcat tgtctctgaa ctttaagctg ctgtattttt gggttacatg 240
aaaagtttaa ttttatgagt ccaattaaaa ttgcattcct ctagtgtaac aaqcaaggac 300
agagcctggg tgcgtgttac atagtggcta cactctcttg atacacaaag tgaattagtg 360
ttcatatctc caataaacia tgtcagaagt tcttaaaatg ttgtttata ctgtctcttc 420
ctttttttta taaaaaatgc aactattgta ctgaagtgac ctcgag 466

```

<210> 2028

<211> 485

<212> DNA

<213> *Xenopus* sp.

<400> 2028

```

gaattcggac tactacaggt gtggaatgag acacaccaag cgggacgaac aacagcggtta 60
gtaagaagcg ctttgagggt aagaagtggg atgcagttgc gctttggggt tgggacattg 120
tagtggacaa ttgtgccatc tgcaggaaac acatcatgga cttgtgcata gagtgcacag 180
caaaccaagg ttctgctact tgggaggaat gtactgtggc atggggtgta tgaatcaca 240
cgtttcactt ccactgcatt tggcctggtt tgaagactcg acaagtttgc ccqctggata 300
atagagagtg ggaatttcaq aagtaacqtc attaqaagct cggcatgcac aatgtgaag 360

```

cagtgtcagc gctgcagcct acctcagtc ggcagaacat tcaactgctt tccggttag 420  
 cacccttgta attatgatct ctgacctgtt cgteatgttg acacacaacc caccctcccc 480  
 tcgag 485

<210> 2029  
 <211> 347  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2029  
 gaattcggac tactacaggt gactgtgttg gggctgggga gacacagaga gggagagaat 60  
 gcctgtctga gcctgcagtg tgccgcgcgc cactacgacc acatggtaaa cctaataact 120  
 aggtaaacct agtcagtctg tgcctcaatt ctccaaaact tgtcttttct ctctgtctgt 180  
 cagagtgcgc tccagagggg tgtaggagag agaggggatt gaagctgttc tgctgcagag 240  
 tagtgctgtt aatagaatga aggagctgtg gctgagctca gaactgagat gacactgttg 300  
 ctgctttttt tgcacaaaaa tttgagcaaa agaggggcct gctcgag 347

<210> 2030  
 <211> 302  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2030  
 gaattcggac tactacaggt gctatgtctg acctcagaca gcagtatatg gaaacgaacg 60  
 ccgagaacgg ccacgaagct tgtgatgcgc aagcggccga gggtaagggg gccgggggag 120  
 gccaaaacga cgcgaaggc gatcagatta acgccagcaa aggcgaggag gaggcagggg 180  
 aaatgtttgt cggtggttg agctgggacg cgagcaaaaa ggacttgaaa gactactttg 240  
 aaaagtgttg tgagggtgtt gactgcacaa tcaagatgga ccccaataag ggagatctcg 300  
 ag 302

<210> 2031  
 <211> 355  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2031  
 gaattcggac tactacaggt ggaagaaaaa ttgggccagg cagagaagac tgaacttgat 60  
 gctcacctgg aaaatcttct cgcgaaagct gaatgcacaa aggtttggac tgagaagatc 120  
 atgaagcaga cagaggtgct gttacaacaa aatccaaatg ccgggataga agaatttqtg 180  
 tatgagaaac ttgaacggaa ggcaccaagc cgtataaata ccgaagagca attagctcag 240  
 tatatgaatg atgctggtaa tgagtttggc cctgggaacg cgtatggaaa tgccttcatt 300  
 aagtgcggag aaacacaaaa aagaatagga gtggctcaca gaggacttgc tcgag 355

<210> 2032  
 <211> 334  
 <212> DNA  
 <213> *Xenopus* sp.

<400> 2032  
 gaattcggac tactacaggt gctctcagca gccccaacc cccggccaag atgtacggc 60  
 tgtatgagca ggtctcctat aacagcttca tgcagagcgc catctacatt gtcctggggg 120  
 gctctcctct ctgtcaagtg acaactgaata agaggaaaqa ataatatggtg cgtgacctg 180  
 ccccccagtc aactagaagg tggcttgacc cacttgaaa ccaaccctcc cactttctct 240  
 ctatgtttca atcaagccac cgcctcagca cccacttaaa ggggttggtc acctttaaat 300  
 gaacttctag tucgatgaag agaggattct cgag 334

<210> 2033  
 <211> 354  
 <212> DNA  
 <213> *Xenopus* sp.



&lt;400&gt; 2033

gaattcccat agcaacaaac agtagaacac acagctgttt actggacatt tagaggactc 60  
 cactttaccc gctctcattt tgcgggtcttg ccgcccgttg atctggatat cgaggteget 120  
 gatcaaaaac aaaaagtgtt ttccaagaat atgttttttg caagtttate gaagcctggg 180  
 aagaaccaag gaggatgggt ttgctcttca gatttgggaa agagtcgagt cgtccagtc 240  
 gccaacgttt tagtagctgc cgtctcccaa acagccctct gtgtttttgt atgtttttgt 300  
 gttacggttg ttggtttcat ggacatcgac aacgttttac cagcaaacct cgag 354

&lt;210&gt; 2034

&lt;211&gt; 384

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2034

gaattccata gcaacaaaca gtagctttta tacatgttag gaaaqgaagc cccccccct 60  
 atgatatatt ggattatttg tcaagacacc caactgtgc aagaagagaa acagatgccg 120  
 aatataactt gatttcagaa acaatgcaga attttaaatt gattgtattt agaaagtgtg 180  
 atactttagt atgaggagac aaattacatt ttgcgaatag ttcacctag caagcatctc 240  
 catattttaa cttggagaat tcaaccgtta attaaaaata cctacagcc ctacctaca 300  
 cataccctcc cagcctagct gttactccgg gcaaatgtcc aggtttttgt tcatccctc 360  
 ggtgcagatt ccgtccagct cgag 384

&lt;210&gt; 2035

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2035

gaattcccca tagcacaac agtaccagct tccagctggt gccccagagg aaatacactg 60  
 acaacttcaa aacttgataa cgacaagaaa ataaaaatag aaaaatgctg agagttagca 120  
 ccattgttat cgtctgcgct cttagcattac atccacttta tgtctatgga gatgatggaa 180  
 aqgggggctg tqcgccaat caagtctgga attctgttag aactgcctgt ccttgaatt 240  
 gtcagaactt caaaaaccca ccagatgtgt gcataattgt ctcgaagaga ggggtgcttc 300  
 gcaaaqgaacc ctatattttt caaaatgggg gaactcgag 338

&lt;210&gt; 2036

&lt;211&gt; 364

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2036

gaattcccat agcaacaaac agtacacagg tatattgaaa tcttcaagag cagtcgggct 60  
 gaggttcgta caaactatga tcttcccaga aaactctttg gtatgcagcg accggggcca 120  
 taagacaggc caggagccgg cagaggctat aataatttag gcagagggtt tgaccgaatg 180  
 agacgtggag catatggagg aggttacagt ggatatgaag attataacgg atataatgag 240  
 tatgtctttg gtgcagatca gagattttgg cgtgtgtctg ataatagata tggagatggc 300  
 agcacgtttc agagcacaac tggccattgt gtacacatga gaggactccc ccacagaact 360  
 cgag 364

&lt;210&gt; 2037

&lt;211&gt; 582

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2037

gaattcccat agcaacaaac agtaggcgct aataacactg cgtgtgacgt caccgattcc 60  
 gaaagagata ggaactggag ccttgagtaa agaataattg gaggaagtcg ggctgttgcg 120  
 caaattcttg aactattgat caaacgctct accaagtctc acatagaaca gcgtttgggtg 180  
 gtgactgcct ttccttaagt gaggcgcctc ttatttcttc aggaacgggt actgattcgt 240  
 gtcttccggg sagaccgaga taaacaaacg ggcctcagaa accaatcggc agactccatt 300  
 cgtctctgtac agccgccta cgcggattcc atagtaattg ccgtgtgtat ggggtggctc 360

```

ctgctgctta tgttcccttc ggcgctggca cagcagcagc cagcatgtga tggatactcg 420
gtcttggatg ggggtggctt gcttgcgata ggtacaccgg ctccggcagct aatgattgag 480
ctagactcat caccggctcg caactccgag caggactgtt gggatctttg ttgttccacc 540
gagcgtctgc aactggctga gatgtccgag ggaagcctcg ag 582

```

&lt;210&gt; 2038

&lt;211&gt; 114

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2038

```

gaattcccat agcaacaaac agtagcttgg cggcttcgag ggttgtgtag ttgtgaaatc 60
atctgcattg agttgtccat gttctacaaa ttcagttttg tagtctgtct cgag 114

```

&lt;210&gt; 2039

&lt;211&gt; 344

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2039

```

gaattcccat agcaacaaac agtaaaagct gcccgggtca gtcacatgca ggatcccttc 60
ccttggggaa atgtctacct tcttatcaga tgcataaagcc cttgcacacc tttagcaatt 120
cctatgtaaa tatataaacac tatgattttt cttegataatg tgtctcttaa gagcaattcta 180
gctttaatat gcaagctctt gagtgcctgag cagtacttac atagggaaca gaggagccct 240
tattgcattg cagcaaaaatg ttacaaggcc tctcccaact ggcagccatt gtgggttttg 300
cagaactgca catctctgac acatggcttc accccacctt cgag 344

```

&lt;210&gt; 2040

&lt;211&gt; 304

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2040

```

gaattcccat agcaacaaac agtaagttcc tgttgtgagt ctgggtgagt tcgtcgaggg 60
aatggagcga ctgtgctgct tagtggctct ggtctctctc tgccgggttc gtgccgctga 120
caccocggct aactgctctt tccccgacct ggaaggcacc tgggagttcc aaataggaga 180
gggcaccggg gcaactcggg acaagacctt tgactgctcc cagttgggta aagtggagaac 240
caaaactgaa gtcacactga aagaactgaa cattgtgtgag gatcagaatg ggaacgggct 300
cgag 304

```

&lt;210&gt; 2041

&lt;211&gt; 405

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2041

```

gaattcccat agcaacaaac agtaaggaga tcttcaactc ctccgtggata aggaagtagc 60
agcatgggtg ttgtggggaa gacaaagccc ttgtccggaq gtgtttgcgg ggcattgttc 120
ctcgggtatt gcatctactt cgaacgaaaa agaaagaaatg accccaactt caagaacagg 180
ctgcgagaaa aaagaagaaa acaaaagact gcggaagaga gagcaggaca gtcaaggcta 240
ccagatctta aagatgcaga agctgttccaa aaatttttcc ttgaagaaat tcagcttggg 300
gaggagttgt tgggtcaagg tgatcttggaa aagggtgttg atcaactaac aaatgcattt 360
gccatttttg gtcagcttca gcaatttcta caqgttaact ccagag 405

```

&lt;210&gt; 2042

&lt;211&gt; 251

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2042

```

gaattcccat agcaacaaac agtaagctgg agaagccaga ggagcctggg acaagacatg 60
tgaggaaatga agaccagagt ggaaggcaga gatgaagccg aactctatcc cccctgcttt 120
ttggtacact ggatgagtga ggagaactac attttcacct gtcagctctt caccctgctc 180
tgctaaactg gttacagata gaacctgtgc atccttctcc attccttaaa ttagtacatc 240
actggctcga g                                     251

```

&lt;210&gt; 2043

&lt;211&gt; 291

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2043

```

gaattcccat agcaacaaac agtaaaaacc aaaaaagagc aggcgccaga agaagagacc 60
cctgtagatg aaagtacaac aggggtccccc caggaacccg agaccaagga tggaagccgcg 120
gaaacatctc cagaagcagc tccagagaat ggtgaatgtg acacagcagc gccctctagt 180
gataatacag aggaagtaca gcctgagcct gctgccctcc ctccaactga agattccctc 240
aaacctgtag agagtgaagc caacacagaa gccccagcg aacctctcga g                                     291

```

&lt;210&gt; 2044

&lt;211&gt; 360

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2044

```

gaattcccat agcaacaaac agtagtggtc agcaccaaat tgcaggttga ttaaagggtt 60
caaagggagc agcacagcct ccaaagacca gattacaaag ctagtctaag tcaatgaagg 120
ctgagaagta aatcccttga gaagcatctc ccatagattt gcttaccctg ctaccagctg 180
tcccttaccg tgggaggttc aagaacggca tagtggtgtg catttatctc tccagttact 240
ggttctgcag gtgtaattat gagggcactg ccactttgac tgcctgctct tatgctgct 300
ctgccccaga gtccaatatt cctctcctag gttgctttcg tagatataga gctactcgag 360

```

&lt;210&gt; 2045

&lt;211&gt; 281

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2045

```

gaattcccat agcaacaaac agtaaattta agtatattct ggcaaatctg gttagctttg 60
tgccaagcaa ctgggtcaaa gggcgggggg tttaaataaa ctaagtttgt ttgaaacct 120
aaactgcatt acactttgtt ctctggggca ctgataatta atatctgcaa tcagattaat 180
tgccgttaaa tgcagcagtt tctaguggaa cacaactag ttaagtagtg tttgttcaca 240
gatgtataaa taaagtgtgc aggtgcttgc ccttactcga g                                     281

```

&lt;210&gt; 2046

&lt;211&gt; 467

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (71)...(72)

&lt;400&gt; 2046

```

gaattcccat agcaacaaac agtaggaggg gatccccgtt tttgagaaga agaaaaagaa 60
gaaacaggtc nnatgcgagg ggcctgagaa ccagcccacg tgggaaatga acatgaaggac 120
agacctgctt gagagcggca aggagagaat cctgaaacta ctcaacacgg gctcagtaaa 180
ggaactgaaa tccctgcaga ggatcggaga caagaaggcc aagctgatta ttggctggag 240
agaaqtcaat gggcctttta aqaatgtggg agagtlggcg tgtttggaag gaatctctgc 300
taaacaagta tctctcttta taaaggcaaa tatcatgagc agcatcgcca gctgaaacct 360
qtaccatcat caggctggcg cccgggtcat acacgcttca agggcactg attttattcc 420

```

tcacacacaa cttgaaatcc ctgagctctt tatggcaaaag gctcagag

467

<210> 2047

<211> 294

<212> DNA

<213> Xenopus sp.

<400> 2047

gaattcccat agcaacaaac agtaaatgat tattgttatt tttttttttt ttatttcaca 60  
gcaatagaac atacatttgt tgtttgcaca gaggttgcaga gatttcccga tgggtcgcc 120  
gacctgattt tttttatgtt tttatttgat gttgcacaga atatgaattt ttggaaataa 180  
ttttatcccc ggcacaaaaa cataaaaagt gagaatgcag ggaccatttc taaactccct 240  
cctatataac cattatccat ctgttacctc agagcaaaata ccactcgact cgag 294

<210> 2048

<211> 525

<212> DNA

<213> Xenopus sp.

<400> 2048

gaattcccat agcaacaaac agtacagggg tgtcgccatg taaaacagaa gggcaccatg 60  
tgtgcgttat gagtctgctt tttttcttat ctgagacaaq cgttgcctgc cctgtcaaca 120  
aaatattatt ttattgacac tttatgaata gagggtctagc ctttttttgc actgtcatgt 180  
tgtagaatgg accaaaaata accagcagac ccattgaacat tgccttaattt ttttctgatg 240  
ttgcaaatct agtggccgga cacattttag gagtcaagca atcatacaag ttctacattt 300  
cctactagat cctctcaatt catccctaca aatgtacagt acctggccat taaaggggaa 360  
ctaaagtcta aaatagaata atgctagaaa tgcctgtattt tgtgtactaa acatgaactc 420  
actgcaccag aactatgtta aacatctctg caagaccaag actgtgcaca tgcctcagtg 480  
gggtctgggt tctgttggga ggcttaagctt agggattttac tcgag 525

<210> 2049

<211> 415

<212> DNA

<213> Xenopus sp.

<400> 2049

gaattcccat agcaacaaac agtaagaagt ccgtgtctgc ttatccagct gcaaaatgcc 60  
caactgggga ggtggaaaca aatgtggagc ctgtggcagc aatgtttatc atgctgaaga 120  
agtgcagtgc gatgggaaga gttaccacaa atgctgcttc ctttcttatg tatgccgaaa 180  
aaacctggac agcacaaact tagccattca ccatgatgag atttattgtc gatcatgtta 240  
tgggaaaaag tatggcccga aaggatatgg atatggccaa ggagctggca ctttgaatat 300  
ggacagaggg gaaaggcttg gcataaaacc qgaggaaaat ctggcacggc agaataccag 360  
ttcaaatcct tctaagtatg ctcaaaaagt tggaggtgct gagaaggacc tcgag 415

<210> 2050

<211> 414

<212> DNA

<213> Xenopus sp.

<400> 2050

gattcccata gcaacaaaca gtagccggaa ccattgatgc taggggtgta ggctctcggt 60  
accagcaact ggcaaaagaa tgggtctctg tcttagccac ctggggatca gtaggaacaa 120  
tgggactgat atgggtcaca gaactgaaggc tctctcttga ttatgttcca tatgtaagt 180  
gaaagtctaa ggatgagaaa taaactctta ccgattccat gtctactatg agcatgtcct 240  
ggatttggcc tagatcacia aatcttccat gtccagtatg ttaatgcagg gaaatggaca 300  
gacctctctt acaccttggg tgaagctgct tatttatgaa taaatgttgg acttgcgtat 360  
tccagaacta tttgctgaaa tgtattggtg tctactttaa ctgtactgct cga 414

<210> 2051

<211> 422

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2051

```

gaattcccat agcaacaaac agtaattccc atagcaacaa acagtaaaaa ttgccagta 60
ccccaatgt gcaacaaaga gcaaacagct gtggagcaag tgccagagag ttctcaagtg 120
gagaaagtgc ttgcttttga gcacatgcct gagccagaga gttctgaact ggaagtggaa 180
cataagtctg agccagagag ttccgaactg gaagtggagc atggagagaa agtgcttctt 240
gtggagcaaa tccctgagcc agagagttct gacttagaaa tggccaatca ttctgttgaa 300
caacaaaaag ttccagcgga tgtattcttg actgcagctg atgccccaat actcccttcc 360
tcgcccacac caaatatata gaaggaaaat gagcaggaag cacctaagga gccagagcat 420
ggtacactcg ag                                     432

```

&lt;210&gt; 2052

&lt;211&gt; 364

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2052

```

gaattcccat agcaacaaac agtaagcaat tgaaaaattt gcattcagta agatacttaa 60
ttaaatggta acctccctct taatgacaca aggcattgcta aatatcagat ccctcgccag 120
gatgagatag aaatgtagtc gcatatttac acaagggcaa aatcgaaatc taagttactc 180
cagcagtgtg ggaaacacaa cgtagcagtt ctgttaaaac actaattgac ctctcagtgc 240
acatcaaaag caagtttact ttctctctcc atctgaactg tgcattgtgtg aatcaactgg 300
aagtgcattt gcattgttga aacgggatag gaacctctct cccattgcac ggcaataact 360
cqag                                     364

```

&lt;210&gt; 2053

&lt;211&gt; 393

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2053

```

gaattcccat agcaacaaac agtaagttaa tggccacggt ctattttatt ttggaatga 60
gacttgctgt tcagcattgc cagtataatc agaaagagga ctctgcagca atgttggaga 120
ctacttacc tagacaacgt cattgagaag atttgtggac cagaatctgt ttttatgtct 180
getgacttga aatccctttc ttataataat tggactgggt aggggtgttc ccagcaagt 240
actgtattat tgtgattgta acaccacaca gaagaacata taggattaag ctatttgcca 300
gatgcacaag tagcattgct cccgatgtgc tgattaggat atctgcataa aatgtgcctg 360
tgtgtatacc tcaataaatg ctcaaccttc gag                                     393

```

&lt;210&gt; 2054

&lt;211&gt; 332

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2054

```

gaattcccat agcaacaaac agtagcgcta aagcgacacg ataaacacag tgggagatan 60
taagtccgta gcccacagga cgcctgcccc tctcactctc cagtggaaatg atcgtactac 120
tcgcgcaggt gtctctcgct ctgctgqttt tctctcaagc agcaaaccca tgcgttcaa 180
atccctgtca aaaccaaggg gtatgcatqa ctgttgggtt tgaccgctat gaatgcagct 240
gcacqagaac tggcttctat ggagaaaact ggaactaaac ggaactttta tcatggttga 300
ggctgaagct gaagccgacc ccgtactcg ag                                     332

```

&lt;210&gt; 2055

&lt;211&gt; 383

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2055

```

gaattcccat agcaacaaac agtagaactc taaatctcat agtttttact tacaagggac 60
aaccaaggttg actccacttc tctcagtcgc ccaaccgctg taaqttggga gttctctctc 120
tgccagttca agtcttgaat cttttttctg aacttttgaa gatctttctg cgcacagtea 180
atcatatgaa ccagggttctc gttattggct tccagacgt tgcagccgtg ctgggacatg 240
aactccaagt tctctattct gacggcctgg tgttcagtt gggccatcga attattgaca 300
cattcctgcc aagccgtgat gtcattcctc tggccggatg agggggcccg taactcatac 360
ctcttcctgc tgagaagctc gag 383

```

&lt;210&gt; 2056

&lt;211&gt; 324

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2056

```

gaattcccat agcaacaaac agtaaggaga aaccatcaca tctgtcctga aaaccggqaa 60
ggaaagagga tcccaactat ggataagagg ggcccacatg taaccttttg cctgctgctg 120
ctgatctcca agatatcggc agaagacgtt tgcgagagtg gccctctcac aaacagcggc 180
aaatgctgtt ccttgctccc agcgggattc ggggtggtgg tccctgcgg agattcaaat 240
actaagtgtg aacctgcct agagaactct actttctctg atgtcagaag cgccaaggca 300
aagcgcacgc cagtggttct cgag 324

```

&lt;210&gt; 2057

&lt;211&gt; 450

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2057

```

gaattcccat agcaacaaac agtacatgaa tcaaaattct aattcctgag aatgagacat 60
tttaattccc ctttcgtgcc ttccacatcc tctgaactac gtccaataat tctaattttg 120
caqtgtatct tgtgccctta caaaagaatt cgtttctctt ctttattttt aggattttat 180
gagctgaatt atgggaactc aggatccctc tccaattctt ccaactcagt gttcagcgaa 240
tgttttatcca gctgccactc cggcacctgc ttttgcaacc ccttggaaac atcattaaac 300
ctcacagatg gtcaagcaaa gtctgcagac gaatttcttg aatgcttqqa ctacagagaa 360
agtcacatg aaactggcac agttcgcgc tctttttctg caccacatcc caactctgtc 420
gacattgggg cagatgtgca ctccctcgag 450

```

&lt;210&gt; 2058

&lt;211&gt; 494

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2058

```

gaattcccat agcaacaaag agtacaactc cagagaaaat gaagctgctt cgagcttgcc 60
tctccttgat ctttttttat ttatctgca ttacagattg tctacatcc agatttgcat 120
cttatttatgc cagccacatg gttttgcaac agaagcctc acaagctgtt atatggggct 180
atggaqaatt tggggtctct gtccacagtc ctctttataa aggacctgag accattttta 240
aaaagctctt tgccataaat gacgatgcag gtgtctggaa agtaactgct gctcctgctg 300
atcatggagg acctactctg ttacttgctc agcaacatta ccagaaagac attactgatt 360
tggccctgca cgaatatttt tttggcgag ttggtcttq tggggggcag agcaacatgg 420
agatgactgt ttcacaggtt tttaacgctg gtaaaqaact ggcataaagct gctgatttat 480
ccaacattct cgag 494

```

&lt;210&gt; 2059

&lt;211&gt; 141

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2059

```

gaattcccat agcaacaaac agtaccatata gcaacaaana gttaggcagct tctctgtctg 60
aggagctgac taqtttggta aaatccagag caaatcttat ggaatccagag gacgatcagg 120

```

atgaagccac tgttgctcga g

141

&lt;210&gt; 2060

&lt;211&gt; 549

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2060

```

gaattcccat agcaacaaac agtacttccc atagcaacaa acagtaattc ccatagcaac 60
aaacagtacc catagcaaca aacagtaccc atagcaacaa cagtaattta ctgtccctagt 120
agctgcatta gactgttaact tattttgccc gtctcctaga gaagttaata tatgtccctc 180
ggacacgtga ccacgatttg cactagtgtt cattccggtt tgtgaattgc tctgtggaag 240
cagtgaagcc ccccaacacc tgactgcttg ggattcccat cccccqagga gcaagtgate 300
tgaatggggg gcaactaacc accaacactt ctattttgcta aactaagctg caaaccacaga 360
gagcaccccc tcacctcttg tgagtggaca gaaatcttta ttgggggtcc taaattgccc 420
cgttgcaccc ccaaaactttt accattgata tcttttaact gtgtcgttaag taccaccaat 480
tgccccctttt tcccccaaag agatcagaga gaaatgcctt ttcctaaaat ctccagcctc 540
atgctcgag                                     549

```

&lt;210&gt; 2061

&lt;211&gt; 410

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2061

```

gaattcccat agcaacaaac agtaggggtt tcatcatctt anaacagtac aaacaagggt 60
ttcaacatgg ctgccattcc atccagtggg tcaattgtcg caaccatgt ctattaccgc 120
agacgcttgg gatccacttt cagcagcagc tcatgtggga gtgtggacta ctctggagaa 180
gtcatccttc accaccaggg tctcccgaaa gctgatcctg gtcactgggt ggccagcttc 240
ttttttggaa aatccaccca tctgtgatg acaaccgttt cagaatcccc agagaactca 300
ggaggtttcc gtatcaccac tggactgggt ccattgtggc tgactcaaga gtctgtgcag 360
aagcaaaaag tcaagtgaac caagtctaac tccagccccc ctgctctcgag 410

```

&lt;210&gt; 2062

&lt;211&gt; 433

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2062

```

gaattcccat agcaacaaac agtacagcat gttgcagtg aagaaaaaaa tcttgaaaag 60
tgctgggattc tttttctgct tgetgatcac atttacattt ctcttgaatg ggacatctcc 120
tggaactgttt actcaggacc agcaaaaagga ttctgggtct cagatgttaa gtaatcaaaa 180
aagggaacct taccatgccc cagatggggt ctgggaaatc aaatccaaac ttgggtctac 240
aaaagcaata ccgaaaacag aattgcagcc aacagagtg gataattact ctactaactg 300
ttctgccaac tggaaatatta ccaaaatgga atggtataaa tcattggaac cacatttcca 360
acagttcatt ctctaccgac actgcagcta ctctcctatg attattaaca accagagaaa 420
atgcagcttc gaaq                                     433

```

&lt;210&gt; 2063

&lt;211&gt; 378

&lt;212&gt; DNA

&lt;213&gt; Xenopus sp.

&lt;400&gt; 2063

```

gaattcccat agcaacaaac agtactcatt attcgtcttt atcggaggag ccgggggtcgg 60
cggtactgct gtgggttcgg agaagggaaca ggtatagggg cagatataag gacagggtga 120
gggtttccag gtgaaactag agccggaggt tcttctcttg ttgagattga aggaggggccc 180
gtccgacggg tctgacctgc tggggaaagag gataaagaat cggccgagga agtqattatt 240
attattatta agtcggacag tcgcaagact ttgggtctcc tctgttgga gatgaagttc 300
gtgtcgggtc tgagatttgg ggcagcgcta atgtgctctg tctcgttga acgagccag 360

```

aattccaggag cgtctcgag

378

<210> 2064

<211> 280

<212> DNA

<213> Xenopus sp.

<400> 2064

gaattcccat agcaacaaac agtaaattct tgcaagtggg ggaccacaag cgttggtaaa 60  
tatcatgagg acttacagtt atgagaaant tctgtggacc acaagtcggg tgcttaaggt 120  
gctatccgtg tgctctagca acaagcctgc tatagttaga gctggtggaa tgcaagcttt 180  
aggactccar ctcacagact caagccaaacg ttgtgttcag aattgtcttt ggacactaag 240  
aaacctttca gatgcagcaa ctaaacagga ggctctcgag 280

<210> 2065

<211> 316

<212> DNA

<213> Xenopus sp.

<400> 2065

gaattcccat agcaacaaac agtactgtgt gtgggtccgg agagctgcag ggtcaagagg 60  
ggtgtccggc ggcttgcctg tgaacttctt caacatgagg aagttttggg caatcggctt 120  
ttgtttgata ttattggctt ctgcactctt tcaagctgaa gatqaagttg aagtggatgc 180  
tactgtagaa gatgacattg gaaaaagtag ggaaggatct agaacaagatg atgaagttgt 240  
aagcagggaa gaggaagcaa tccagttaga tggcctcaat gctgctcaaa ttaaagaaat 300  
acgggagggg ctcgag 316

<210> 2066

<211> 333

<212> DNA

<213> Xenopus sp.

<400> 2066

gaattcccat agcaacaaac aqtacacacc agcaacacca tgaggatagg agccatcttt 60  
gggttgggac ttgcataatg tggttcaaat cgtgaggatg ttctgacctt cttgcttcca 120  
tgataggggg atttaaagtc cagtatggag gttgttggag tgacagccct tgcttgtggg 180  
atgatagctg tgggacctg taatgtgggc gttacatcca caattctaca aactatcatg 240  
gagaaatctg aacaggagct aaaagatata ttgtctctgt ggttgccact tggcctaggg 300  
ctgaatcact tggggaaggg tgaagcactc gag 333

<210> 2067

<211> 313

<212> DNA

<213> Xenopus sp.

<400> 2067

gaattcggac tactacaggt ggggcagaga aaatccqcsa tgaaggaggg aaaagggaca 60  
gggaaagcga aqaagcattg gaqacccctac aagcaaaagt tgatggcagg cagtcagaaq 120  
gaaggaaaaq ggttttctct gtggagaaaa caaaagatcc agctgggaata taaaaaacta 180  
ctaaggaaaa aaaaagagcc cagtactggt aatgaagatc tctacaaaga caattacctt 240  
aaacacttga agcactgtta cctagctcaa aaagaaatgc taaaaaagaa agaaqaaagt 300  
aggaacacct gag 313

<210> 2068

<211> 412

<212> DNA

<213> Xenopus sp.

<400> 2068

gaattcggac tactacaggt gattacaccc tggggaagca gaaatgacaa aatttcaggg 60



```

ggaagatcta caaggagctg tgcactgca agctggcggg gtgaggccac ggcgtcttcta 120
acgtgagaca aacgtgtgca tccaaactgc gccattattg taggggaccc tccggagact 180
ttttacttgc ggtgggtggc tctccggggg ctgcgctgat catcgtcttt gcccttccc 240
ggtggaccgt actacctgtt taccocagtg ggtgcctcgc ccaccctac attgaaggat 300
tctgtggatc aattccaggg gggagtccct gctgcgcctt ttcgctgggtg gatcgtcttt 360
cctcgtccct cgtgtccctg gccctctcca caatccccc ccaaaactcg ag 412

```

&lt;210&gt; 2069

&lt;211&gt; 310

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2069

```

gaattcggac tactacaggt gacccccccc tgcgtttaac cctctctttt ccagttgttc 60
aacaagctgg gaaagagttg ttaaatcagt ctgtagcatg ggaaagctgt gaaactgtac 120
agttaagatt atgtatttgc ctttaatttg gactgttccc ccccccccc agtttgcttg 180
ttatcatctg tgcctgagct gccctctgtaa tatgggtctgc tccataacct gggactctgc 240
agtgatttag aataccttac ccccttccct tgttaggtct tqattttaaa taaagaacca 300
agtgcctgag 310

```

&lt;210&gt; 2070

&lt;211&gt; 315

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2070

```

gaattcggac tactacaggt ggaattccct agtttcaactg agcgttacc gagcatcgtc 60
tacaatccc tctctctcag tctgactagt gccctgggac agacctttat ctccatgacg 120
gtggtatatt tcggcccgct tacttgcctc ataatacaga caactcgaa attcttcacc 180
atcctggcct ctgtttact gttttctaat ccgatacaga gcatacagt ggtagggacc 240
atcctgggtg ttttaggtct gggactggat gcaacttatg gaaaaggatc caagaaaccg 300
ccccactgcc tggag 315

```

&lt;210&gt; 2071

&lt;211&gt; 345

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2071

```

gaattcggac tactacaggt gcatacaacu gaattggaaa gttcgaggcc aggttctttc 60
atgtgqcttt tgaggaggag ttggggagag ttaaagggtc ttttgggctt attaacagtt 120
tggcattcca tccaaatgga aagagttaca gcagtggagg agaggatgga tacgttagaa 180
tacattactt tgactcgcaa ttttctgact ttgaatttga atcctgagac agttgcttca 240
tgcctgttta tatectactt aatttgcgt cacaacaca atttaattga ttgctcaatt 300
acatcatgca gattgtatcc ttttacaata aatggaaacc tggag 345

```

&lt;210&gt; 2072

&lt;211&gt; 310

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2072

```

gaattcggac tactacaagt gttactttcc agggaaaaat taaacaattg cttaactcat 60
tagagtatgt gctgtgcaga ttcttcccag ttgcctctgt gtttagggag acattgtaac 120
actacaaaaa tgcataatac actacttttc tttctctcac tgactctgtt cttaactttg 180
aatagaaatc tcaggtaatt ggaaactatc tggcctatac cagcatcatt catatacctt 240
tcctctctgt tgaacccctt tacaagttgt ggaatccctg cgtttttctc tttttgggtg 300
gagactcgag 310

```

&lt;210&gt; 2073

&lt;211&gt; 320

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2073

```

gaattggact actacaggtg aaaatacaga gtggctttga ggattgcaaa ggacccatca 60
tttgaacggc tgccttgcct tcacctgga acctatgcag atgactgcct tgtacaaaga 120
gttactcagc acaaatgtta tattgtggct acagtggaca gagacctgaa aagaagaatt 180
cggaaaaatc ctgggtgttc catcatgtac atctcaaac acagatataa tattgaacga 240
atgccagatg actatggagc tcctcgtttt taagatttgt ttgttcggca ttcaaaccct 300
tattataatg tggactcgag                                     320

```

&lt;210&gt; 2074

&lt;211&gt; 406

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2074

```

gaattcggac tactacaggt ggtgacactg tatgtgacag aggaaacttg cagtgggcaa 60
atatcaatac gtttccccaa tcataggaac attatcattc ccattggata aatctgccac 120
taagtgtttg ggaatcaaga gaccacagaga caatagagag cccaaggcat tctaattctt 180
gttaaaactac aactcacctc acttatttgt atagacattg gctttatcca ataacagtgc 240
taagactccc attgccattg tactttctct gcacaagnac cctggaagtc tccccataa 300
ctttgcctta attcagagtt tccatgtggg tagtgtatc tgaacctttg ctgtatgttt 360
tgaggggcca aatcattctg atgtatactg caatgtgtac ctcgag                                     406

```

&lt;210&gt; 2075

&lt;211&gt; 382

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2075

```

gaattcggac tactacaggt gcaagcacag gaaacaagag targaanaa taagtgaana 60
gaagatgtcc actccagttg aggtgttgtg taagggtttt cctgcagaat ttgcattgta 120
tctgaactac tgcgcgggct tacgatttga agaggcacc cactacatgt atctgcgaca 180
actatccctg attctgttca gaacattaaa ccaccagtac gactacacat ttgactggac 240
aatgttaaag cagaaggcag ctacagcaagc agcctctctc agtgggcagg gccagcaagc 300
ccaaaccccc acaggatttt gaacatgaaa ggagcagaga tcacagacca ggctggagct 360
ggactgtca ctccctctcg ag                                     382

```

&lt;210&gt; 2076

&lt;211&gt; 615

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2076

```

gaattcggac tactacaggt gacacagagt cggatttagt tgcctaggca caaggattcg 60
gttgaatcca aatcctgctg gaaaaaggtt gaattctaaa cagaaactct ggattcggtg 120
catccttagt tttttaataa accgggacca attctcttag aaatacagtc tatgaattag 180
gtcatttacc tttccctctt gtaggaaaag acttgggtgt ggagcaccgc gtatgaattt 240
ttgcgtctcg gcttattagg attattctca ctgttccttg gatgttcggg gtctgatgc 300
ctttgcctag acctgttaat tctctgtatg tctatcctt acctttcttt cgtcttaca 360
aacctgcaat gcttttgtct gaattctgtg ttgtttcttt taaagtctgt ttctgtgaga 420
agtttgtatt tggtaattct tagatatgtg ttaatgtttt actctgagtg gtgtgcacct 480
ttatatctat tccatgcaat ctctcattta gtcccccttg cttctcaggc aggatctcga 540
cacgttaca acccttccat ttgqagacct ctctgggqaa taaacgggtt caaataacca 600
cttcaacggc tggag                                     615

```

&lt;210&gt; 2077

&lt;211&gt; 397

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2077

```

gaattcggac tactacaggt gagcgagacg aatcggggaat gctgaatcct tccaatttat 60
ttcaccaaac cgtgtcaaat aattttgttg atatttcaaa aggtctcccc atgtctttgt 120
atggggggcac agtgatccct tcacatacac aaatgtcgga cgctcctgat tgtcccgat 180
ttaatggagt tcacccacaa gatgctgctg ctgctgctac ttggagtcca atgattaagg 240
tggtgcccag ttcaatcgaa tgtacggatg cccagaagat gtggccagga acctggacac 300
cccatattgg aaatgtgcat ttaaagtacg ttaactgaat tagaggaaac cgttcaacac 360
aaaactgaaa tacttgagcg caccgggggtg actcgag 397

```

&lt;210&gt; 2078

&lt;211&gt; 410

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2078

```

gaattcggac tactacaggt gaccaccagg ccgctgctcc aaccacttgc aggagaagat 60
tcaaaagtgg tatgagaaga agttaaaaga agggacagac atgaaccgca ttatccaaaa 120
aaagaaagaa tttcggaaac ccagcatcta cgagaagctc atccagtttt gctccattga 180
tgaacttggc actaattacc ctaaaagacat gtttgaccca catggatggg ctgaagaactc 240
ctactatqag tctcttgcct aagcccaaaa gattgagatg gataagctgg aaaaggccaa 300
aaaagaacga acgaagattg agttttgttac aggcactaag aagggcacaa cgaccaattc 360
aaccacaggc acaaccagta ccacaaccac atctacagca gatgctcgag 410

```

&lt;210&gt; 2079

&lt;211&gt; 517

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2079

```

gaattcggac tactacaggt ggaacccctc ctgttgcctc tatataacct ccgtcttctc 60
agtcgtgtgc aaacqctttt cctgtgccag tccrgttttt tcatatcttt taagaccoca 120
gctgactctg atgcatagca ccaggacctg gcagacatat tggaaactat tggcattatg 180
atcttttttt ttttttaa at ggggaggtcc gtctccttgg ttgttatctg cagcacccta 240
aatgccaaaca ttttaacaggg cagagcagag ttttgtgtgt ttttgggggt cggtagcctg 300
gcgagtctct tgcctttccc gcaaaggggc atcgggtggc acatatgggc agtactccat 360
gccactgctg tccaacctgt ggtccgcaag cctttgttga actttgtagt tcaataaacc 420
cagtcggggg agtcaaaccc tacacttcag ttgatgcacc cacttttatt aatgacaccc 480
tgaggctaaa gtgttacgtt aaagggaacc gctcgag 517

```

&lt;210&gt; 2080

&lt;211&gt; 371

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2080

```

gaattcggac tactacaggt gtttagaggga ggcctagggc tgggtatcna cccqaacctc 60
aaggctctag ttgagtgat agcccagaac cttgtgatag cactgagtga cactacaggg 120
caactactca ggcagctgg gaactgaaat accccattac tgcacacatt ccattccca 180
aagcaaaagaa atagccagaa agcaqaaaag aaagttagga atttgatcag agtggtgagt 240
tctctataaa tggaaaggtaa aagaaaggca ttggatggga ttgggcagca gagagatatg 300
aaggaaaggt caggttagtt agcagggggc ggtaaaqqag tttgaattgt ttgcatggg 360
aagagctcga g 371

```

&lt;210&gt; 2081

&lt;211&gt; 687

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2081

```

gaattcggac tactacaggt ggtgagaagc agtagatctc aggggagttc tgcaacaatg 60
tggcatcttg tagttgcact ctgcttcttg gctccatcg ccaattcccg ccctctcccc 120
tactttgccc ctttgtcgca cgatatggtg aattatatca acaagggtcaa cactacatgg 180
aaggctgggc acaactttgc taatgctgat gtacactatg tgaaacggct ctgtggaaca 240
caccttaatg gccccagct tcaaaagagg ttgggttttg ctgatgacct agaccttcca 300
gacagctttg attccccggc agcttgcccc aactgtccca ccctccggga gacccgagat 360
cagggatcat gcggctcttg ctgggcgttt ggtgcggttg aagccatctc tgatcgtgtt 420
tgtgttcaca ccaatgggaa ggtgaacgtg gaggtgtctg ctgaagatct cctgtctctg 480
tgtggcttta aatgtggcat gggtgtaat ggaggggtat catctggagc ctggcgattc 540
tggactgaga ccggttttgt ttccgggggc ttgtatgact cccatgtttg ctgcaggccg 600
tactctatcc ctccctgcga gacccatgtg aatgggtcca ggcctctctg caagggggaa 660
gagggcgata ccccaaatg cctcgag 687

```

&lt;210&gt; 2082

&lt;211&gt; 602

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2082

```

gaattcggac tactacaggt gctactgaga ggaggaagat gcagctcgtt acagctctga 60
ggctcggggc agcgtcaatg tgcctcgtcc tgggtggcgca agtcagagt caaggatgca 120
aatgtagaac gcactacatg ggtaaatgcg ataacagcgg tgcatcttca gattgtcagt 180
gtaccctcac cataggggcc gattcccaac ctgtgaactg ctcaaaatta attcttaaat 240
gttggctgat gaagagagag agccttggga caaaggcagg tcgcagagtt aaaccagcac 300
aagcacttat tgacaacgat ggactgtaca atccagagtg tgatactaat ggggtgttta 360
agggcccgca gtgcaacaat actgacacct cctggtgtgt caataccgcc ggggtcagaa 420
gaaccgacaa aggggacaaa aactggaagt gcccgagct ggtcagaact aactgggtgt 480
atgttgaat gaaacgcaat aacacagact cagtgaatga tgacgacttg aaaaaagcac 540
ttaaacaac aatagtgaat cgatatggat tacctgaaaa atgtgtttct gttgagctcg 600
ag 602

```

&lt;210&gt; 2083

&lt;211&gt; 425

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2083

```

gaattcggac tactacaggt gggaaacagc gactctggtt gtacacgaga cggcgcggt 60
attgcaagat gatcatcccg gtcagatgct ttacatgttg gaagattgta ggcaataaat 120
gggaggctta ccttggcctt ttacaggctg aatatacaga aggtgatgct ctggatgct 180
tgggcctgaa aaggtactgc tgtcgtcgga tgcctctgc tcacgtcgac ttgattgaga 240
aactgttaaa ctacgcccc ttggagaaat gagggctcgg ttccatccgg tgcaatctag 300
accaatcaaa tttttacaag cacagggaag agaaccoccg gcttccatta taccctacct 360
gctgaacttc cagaggaaaa atctgtttct aacctgaaa ccattgttaa cagggcctgc 420
tgaq 425

```

&lt;210&gt; 2084

&lt;211&gt; 438

&lt;212&gt; DNA

<213> *Xenopus* sp.

&lt;400&gt; 2084

```

gaattcggac tactacaggt gccgggagga gatattctta caggagatgg aggaacagaa 60
agaaaaatcg ccgctcgata cagaggtatc ggtggttgag gaggatctgt gcaaaaagct 120
ttcaagaaaac ttggtctctg ttggtgtcaa gcagaggtgt cgatttgatg gccaaggagga 180
caatgggaact ttacagtat cctcaaatca tagtgatttc agtgatccag ttataaaga 240
aattggcaat gctaatgggt ttgtcaatag aqtqacaaag gatgagctga agccqaagct 300
tgtagagcac aaacttqaca ctgagaggtg taaatgtg ctgagaaaag gactgaagaa 360
ctactacaag aagcagaaat tgacacatgc attgtataag gactcaaaac cagactgcta 420

```

ttatgaactac atctgtgtca ttgactttta agcaacctgt gaagcgggta actctctaga 480  
ctacccccat ttctcgag 498

<210> 2085

<211> 306

<212> DNA

<213> *Xenopus* sp.

<400> 2085

gaattcggac tactacaggt gtttatgatg aaaaagtagt ccacccttg acttaataat 60  
tgtttgttcc acttccctgc tctgtctgc atgtggtgca caggcactgt atgtaactca 120  
agctcatcta tcaatctgcc atttatgtg ccccaaatca cttttcttct ccttctttta 180  
gcaaataaaa ctgaggggat ctccctcag cctgctgcag agctagggtt ccaaagccct 240  
gcaaaaagtgc taactccttc cctgccttg ccaaccttg agcctgttct ttctgccccg 300  
ctcgag 306

<210> 2086

<211> 385

<212> DNA

<213> *Xenopus* sp.

<400> 2086

gaattcggac tactacaggt gtttgccttt tctttactgc atggtctgtc ttgcatttta 60  
tctagggttta atgcacttgt atcgggactc cccaaaattt ccattatgtg acttcttcat 120  
tgtgtgtgcc tttgctttta tgttggttagt tagttcttca gcttgggcta aaggtttgac 180  
agatattaaa atttccacca gccctcacia tattgtgcaa aatcactgcc cactgaatta 240  
caaagtcttg cctggacaag aatcgcccat ggggaagtctg aacatctctg ttgcttttgg 300  
atttttgaat ctgattctgt gggcaggtaa tgcttggttt gtatacaagg agaccagtct 360  
acattcccca ccgcaacaac tcgag 385

<210> 2087

<211> 198

<212> DNA

<213> *Rattus* sp.

<400> 2087

gaattcggcc aaagaggcct agaactctg actctgggaa aagcattgac catgaggttg 60  
acctgtttat ttgctgcctt acttgggtat atctactgtc aagaaacgtt tctgggagat 120  
caagttcttg agatcctcc aagtcctgaa gagcaatta gaactctgct gcaattggag 180  
gctgaagagc atctcgag 198

<210> 2088

<211> 176

<212> DNA

<213> *Rattus* sp.

<400> 2088

gaattcggcc aaagaggcct attataagag ttgctttggc catgggttct attataagga 60  
caatatitaa ttggggctgg attatagatt ccgaggttct agcagaactt gccctcatca 120  
gttcaaaaggc tgaattgttt cctcatatad taagtaattgc gtcaacatac ctcgag 176

<210> 2089

<211> 323

<212> DNA

<213> *Rattus* sp.

<400> 2089

gaattcggcc aaagaggcct agcaaatga agtttgttct gctgccttcc ctcaattgggt 60  
tctgctgggc tcaatatgac ccacacacng cggatgggag caetgctatt gtccacctgt 120  
tcgagtggcg ctgggtctga attgccaaag aatgtttagcg gtactttagca cctaagggat 180

ttggaggggt acagggtctct ccacccaarg aaaatattat aattaataat ccataaaggc 240  
 cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggctt ggaaatgaaa 300  
 atgaattcaa aggatggctc gag 323

<210> 2090  
 <211> 176  
 <212> DNA  
 <213> Rattus sp.

<400> 2090  
 gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60  
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcata 120  
 gttcaaagcc tgaattgttt cctcatcac taggtactgc gtcaacatac ctgag 176  
 <210> 2091  
 <211> 176  
 <212> DNA  
 <213> Rattus sp.

<400> 2091  
 gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60  
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcata 120  
 gttcaaagcc tgaattgttt cctcatcac taggtactgc gtcaacatac ctgag 176  
 <210> 2092  
 <211> 346  
 <212> DNA  
 <213> Rattus sp.

<400> 2092  
 gaaattcggc caaagaggcc tacttggtag attatccaaa catcgtaaaa ttttcattgt 60  
 atttatttta ttcttttttt tttttttttt ttgccaaaag atgagttgtg ttgttttgaa 120  
 atctgagaca ctgtgttcca ttgggtgttt ctgttcaaat gcatcctcat tgtcctggaa 180  
 acccttcccc agatgtcaca ctacatgtca tctccaggag gatgactcgc aagtcctaca 240  
 ggtttcatta cgaaaacttc aagggttccc gtggaaacct ggaaaccgtc agctgatgtc 300  
 caccaaaatgc tggccttcca cccctgcggg ggccctggcag ctcgag 346

<210> 2093  
 <211> 176  
 <212> DNA  
 <213> Rattus sp.

<400> 2093  
 gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60  
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcata 120  
 gttcaaagcc tgaattgttt cctcatcac taggtactgc gtcaacatac ctgag 176

<210> 2094  
 <211> 323  
 <212> DNA  
 <213> Rattus sp.

<400> 2094  
 gaattcggcc aaagaggcct agcaaaatga attttctctt cctgctttcc ctcattgggt 60  
 tctgttgggc tcaatatgac ccacacaccc cggatgggag gactgctatt gtccacctgt 120  
 tctgaatggcg ctgggtctgat attgccaagg aatgtgagcg gtacttagca cctaaaggat 180  
 ttggaggggg gcaggctctt ccacccaatg aaaatattat aattaataat ccataaagc 240  
 cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggctt ggaaatgaaa 300  
 atgaattcaa aggatggctc gag 323

<210> 2095

<211> 176

<212> DNA

<213> Rattus sp.

<400> 2095

```
gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176
```

<210> 2096

<211> 176

<212> DNA

<213> Rattus sp.

<400> 2096

```
gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176
```

<210> 2097

<211> 150

<212> DNA

<213> Rattus sp.

<400> 2097

```
gaattcggcc aaagaggcct acccccaact agaaaaattg ttatgggtat tggcatttat 60
ttattcatca tatacttatt agggcagcta aaaaagtcta atgectctgt catgtattac 120
cacagaaggc aagcccagca caaactcgag 150
```

<210> 2098

<211> 323

<212> DNA

<213> Rattus sp.

<400> 2098

```
gaattcggcc aaagaggcct agcaaaatga agtttcttct gctgctttcc ctcattgggt 60
tctgtgggga tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaggg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggg gcaggctctc ccaccaatg aaaatattat aattaataat ccatcaaggc 240
cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaagggtc ggaaatgaaa 300
atgaattcaa aggatggctc gag 323
```

<210> 2099

<211> 178

<212> DNA

<213> Rattus sp.

<400> 2099

```
gaattcggcc aaagaggcct aagcattgac catgagggtg accttggtat tggctggcct 60
acctgggtat atctactgtc aagaaaagctt tgtgggagat caagtctctg agatcatccc 120
aagtcatgaa gagcaaatga gaactctgct gcaattggag gctgaagagc atctcgag 178
```

<210> 2100

<211> 344

<212> DNA

<213> Rattus sp.

<400> 2100

```
gaattcggcc aaagaggcct acctggtaga ttatccaaac atcgtdaaat ttcatgcta 60
tctatcttat tctctctctt tctctctctt gccaaaagat gagttgtgtc tgggtgaaat 120
```

```

ctgagacact ggtttccaat tgggtgtttct gttcaaaaagc atcctcattg tectggaaac 180
ctttcccag atgtcacact acatgtcagg tccaggagga tgactcgcaa gtcttacagg 240
tttcattacg aaaacttcaa ggttcccagt ggaaacctgg aaacctgcag ctgatgctca 300
ccaaatgctc gcccttcacc cctgcggggg cctggcagct cgag 344

```

<210> 2101  
 <211> 176  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2101
gaattcggcc aaagaggcct attataagag ttgcttttgg catgggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcaca 120
gttcaaaagc tgaattgttt cctcacaac taggtactgc gtcaacatac ctcgag 176

```

<210> 2102  
 <211> 330  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2102
gaattcggcc aaagaggcct aaaaatgaag tttgtttctgc tgcctttccc cattgggttc 60
tgctgggctc aatatgaccc acacactgcg gatgggagga ctgctattgt ccacctgttc 120
gagtggcgtc gggctgatat tgccaaggaa tgtgagcggc acttagcacc taagggattt 180
ggaggggtgc aggtctctcc acccaatgaa aatattataa ttaataatcc atcaaggcct 240
tggtagggaaa gatatcaacc aatcagctac aaaattttgc caagggtctg aaatgaaaat 300
gaattcaag acatggtgac gagactcgag 330

```

<210> 2103  
 <211> 523  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2103
gaattcggcc aaagaggcct aaacaattct gcaaaaataa tcatacccag cctggcaatt 60
gtctgtctct cggtcacatg ctccgccgcc gtccacagtc gcttgcaagg gaaggcactg 120
aattttaccg gccagaaca tccctcccag ccggcagttt acaatgctgc gaactaagga 180
tctcatctgg actttgtttt tccagggaac tgcagtctcc ctgcaggtag atattgttcc 240
cagccaagga gaaatcagcg ttggagagtc caaattcttc ctgtgtcaag tggcaggaga 300
tgccaaagat aaggacatct cctggttctc ccccaacggg gagaaactga gcccaacca 360
gcagcggatc tcagtgtgtt ggaacgatga tgactcctct accctacca tctacaacgc 420
caacattgat gatgccggca tttaacaagt cgtggtcacc gctgaagacg gcaccagtc 480
cgaggccact gtcaatgtga agatctttcca gaagacactc gag 523

```

<210> 2104  
 <211> 150  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2104
gaattcggcc aaagaggcct acccccact agaaaaatgg ttatggggtat tgggatttct 60
ttattcatca tatacttatt agggcagcta aaaaagtcta atgctctctg catgtattac 120
cacagaagge aagcccagca caaactcgag 150

```

<210> 2105  
 <211> 176  
 <212> DNA  
 <213> Rattus sp.

<400> 2105



```

gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
gttcaaaagc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

```

<210> 2106  
 <211> 345  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2106
gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaat ttctatgcta 60
tttattttat ttcttttttt tttttttttt tgccaaaaga tgagttgtgt ttgtttgaaa 120
tctgagacac ttgtttccat ttggtgtttc tgttcaaatg catcctcatn gtccctggaaa 180
cccttcccca gatgtcacac tacatgtcag gtccaggagg atgactcgca agtctctacag 240
gtttcattac gaaaacttca aggttcccag tggaaacctg gaaacctca gctgatgctc 300
accaaatgct cgcctttcac cctgcgggg gccctggcagc tcgag 345

```

<210> 2107  
 <211> 176  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2107
gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
gttcaaaagc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

```

<210> 2108  
 <211> 176  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2108
gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
gttcaaaagc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

```

<210> 2109  
 <211> 203  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2109
gaattcggcc aaagaggcct agctctgaac ttgggactct gggaaaagca ttgaccatga 60
ggttgacctt gttattggct gccctacttg ggtatatcta ctgtcaagaa acgttttggg 120
gagatcaagt tcttgagatc atcccaagtc atgaagaagc aattagaact ctgctgcaat 180
tggaggctga agagcatctc gag 203

```

<210> 2110  
 <211> 323  
 <212> DNA  
 <213> Rattus sp.

```

<400> 2110
gaattcggcc aaagaggcct agcaaaatga agtttggctt gctgctttcc ctcatgggt 60
ctgctgggc tcaatargac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaugg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggg gcaggctctc ccacccaatg aaaatattat aattaataat ccataaggc 240
cttggctggg aagatatcaa ccaatcagct acaaaaattg ctcaaggctt ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

```

&lt;210&gt; 2111

&lt;211&gt; 308

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2111

```

gaattcggcc aaagaggcct accttctctt cctcccttcc tccctccatg tccctctctc 60
ctccctccca cctctcacc cctctccatc cctccctctc tttctttttg tactttccag 120
ctggagcagc agcagcagct gggcctgaat caatgattga cttcccccacg acctccctct 180
ctcttttgcc aatgatctct ctttgccctt ccagtcctct ttttaattta tcgtgtatgg 240
ttttgcttct ccttccctct cctctctctt tccctcttct tccccctct cccccaccga 300
cagtcgag                                     308

```

&lt;210&gt; 2112

&lt;211&gt; 203

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2112

```

gaattcggcc aaagaggcct agctctgaac tctggactct gggaaaagca ttgacctga 60
ggttgacctt gttattggct gccctacttg ggtatatcta ctgtcaagaa acgtttgtgg 120
gagatcaagt tcttgagatc atcccaagtc atgaagagca aattagaact ctgctgcaat 180
tggaggctga agagcatctc gag                                     203

```

&lt;210&gt; 2113

&lt;211&gt; 402

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2113

```

gaattcgttc aaagaggcct acactgacaa cttcaaagca aatgaaqt cgttctgctg 60
ctttccctca ttgggttctg ctgggctcaa tatgacctac acactgcgga tgggaggact 120
gctattgtcc acctgttctg gtggcgctgg gctgatatct ccaaggaatg tgagcggtaa 180
ttagcacctc agggatttgc aggggtgcag gtctctccac ccaatgaaaa tattataatt 240
aataatccat caaggccttg gtgggaaaga tatcaaccaa tcagctacaa aatttgcctc 300
aggctcggaa atgaaaatga attcaaagac atggtgacga ggtgcaacaa tgttgggtgc 360
cggatttatg tggatgctgt cattaatcac atgacactcg ag                                     402

```

&lt;210&gt; 2114

&lt;211&gt; 545

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2114

```

gaattcggcc aaagaggcct aggggtcggc agaaggettc aggtcccttg aacttggggt 60
tactgggtgac gggcactgcc atgtggatgc cgggggctgg acctggacta tccgggaagag 120
caggcaactgc tggctgctga gtcattggct ccacctcgtc tgcctctgag acaggacctc 180
gcttcgcaat aggcacaggt ggtcttgacc gtattacgta gtccagggtta accttgaact 240
caaacctctc ttaatgtctg ggtcccccua ggtgggaatt ttccgtgttg gacgccatgc 300
cgggtactct gtgcctcagg attttttctt tttttattcc attgcaattg tgggacctga 360
ggatgctctg atctgtgata gcatattgga cctctctgct tttctctagg atacagtgc 420
catteacggg ccttgcaatc ttccaagact ctcttcaagg gacaaatttg ggttcccaaa 480
acaattcttg tgcctcgtgc ttctccatta ccattagcaa cacgttctca cccacaaaac 540
tcgag                                     545

```

&lt;210&gt; 2115

&lt;211&gt; 427

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2115

```

gaattcggcc aaagaggcct agagcttttc ggtgatgta cctcggaggt caugattatg 60
caggatttcc tggctgtggt ttactccgac tgcatagcac ctacagacac gacctcaaaa 120
tatatgcctc tgatgaaggc cgggtccaga tgacggcagc tgccttcgca aagggtctct 180
tggctctaga aggagagctt acccccattc tggctcagat ggtgaaaagt gcaaatatga 240
acggcctttt ggacagcgac agtgactctt tgagttagctg tcagcagcgt gtgaaagcga 300
ggcttcattg gatacttcag aaagacagag attttacagc cgaagactac gagaagctta 360
ctccatctgg aagcatttct gttatcaaat caatgcctct aattaaaaac ccagtgaaaa 420
cctcgag                                         427

```

&lt;210&gt; 2116

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2116

```

gaattcggcc aaagaggcct aagcattgac catgagggtg accctgttat tggctgccct 60
acttcgggat atctactgtc aagaaacgtt tgtgggagat caagtctctg agatcatccc 120
aagtcattgaa gagcaaatga gaactctgct gcaattggag gctgaagagc atctcgag 178

```

&lt;210&gt; 2117

&lt;211&gt; 314

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2117

```

gaattcggcc aaagaggcct actccacact catcttttaa ttttgaaagc ctcagaacac 60
ctggaccact tctttggaaa actgtcttac cagcaacaag tcattccactg cgatcctgtt 120
gagcatagcc acatctgagt ttccaagtc taaacaggac tgcctctgat ttcccatga 180
agctgcatta ttgtctgtcc atcttactgg tggtcacttt tgtgccaaact gctctgggtt 240
tggaagatgt gactccactg ggaacgaatc agagttcata caatgcatac tttcttttga 300
gctttcactc cgag                                         314

```

&lt;210&gt; 2118

&lt;211&gt; 323

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2118

```

gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaaag aatgtgagcg gtacttagca cctaagggat 180
ttggaggggg gcaggctctc ccaccaatg aaaatattat aattataaat ccatcaaggc 240
cttgggtggga aagatatcaa ccaatcagct acaaaaattg ctcaaggctc ggaaatgaaa 300
atgaattcaa aggatggctc gag                                         323

```

&lt;210&gt; 2119

&lt;211&gt; 579

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2119

```

gaattcggcc aaagaggcct agagcaatgg tcaacacctt tctctgcctt ggggctgggc 60
aaaccaacag tccaggcaaaa aggcagggca ctttctggag gaggtgtcag caccaaggca 120
gatggctgac tccaaagctc tccgtgctct cctgcattgg gcttaaatga tggcatgagc 180
cggctctccct ggcctatctg ggttccaaac ctggtaqga ttagtctgca ggggctgcac 240
tgtaggcaga gctcaccaaa ccaagactta cacttctctc gcccttgaa gcacagctac 300
aaaatcactg gacttcaaac cagaaaaccc agccttgaca cagtacagat gacaaccatc 360
tggctcactt gaattgaaaag cgaccccaaa cacacttgca tttgtaggca gggacgctca 420
catctctcaa ggttctcttg gccggaatga agcaaaaccc agctcaaaac aagcagagtg 480

```

actccaagcc tgtccatagc caccactat gcttaagtaa gatgtccccc ctcaaagctg 540  
 ctgcagtaaa gccatgagca gattccctgtt ctgctcgag 579

<210> 2120

<211> 310

<212> DNA

<213> Rattus sp.

<400> 2120

gaattcggcc aaagaggcct aagcttgggc gcagaacaca ctcaaagtcc ccaaaggagc 60  
 tccacctgtc tatacctcct ctccagctcag tcccacaagg cagaataaaa aaatgaagac 120  
 cgtttacatc gtggctggat tgtttgtaat gctgggtacaa ggcagctggc agcatgcccc 180  
 tcaagacacg gaggagaacg ccagatcatt cccagcttcc cagacagaac cacttgaaga 240  
 ccttaatcag ataaacgaag acaaacgcca ttcacagggc acattcacca gtgactacag 300  
 cgcactcgag 310

<210> 2121

<211> 354

<212> DNA

<213> Rattus sp.

<400> 2121

gaattcggcc aaagaggcct agtggggtag gaactgaagg aaatatagga ccctgcaggg 60  
 attttatctc autgagagaa gttctgatta tattaggaat ccaccaaaga ccctcattgt 120  
 gactggatcc acacagctaa gtcttctgtc agtgaacatg gtcaugaaga ggctggaaaa 180  
 acccaaagca cacagttacc ttcccatggg aggetaagct atcaaaagcg gtgttcagtt 240  
 atacaacaag caagccaagc caccaaatta caaacagtgg tgttacatat ttctcgtgca 300  
 atgtggggtt cctgctaaat ttgttctgtt ttacacttga ttatatcct cgag 354

<210> 2122

<211> 435

<212> DNA

<213> Rattus sp.

<400> 2122

gaattcggcc aaagaggcct ataaaattat taagtatata tccaaatttc aaactcctct 60  
 ttcccaaaaac aacgtcggcg agcctagcaa gtttagcaaaa atctttgtta agaatataga 120  
 atagcgctca ccatagggtc tgtgttccaa agccacacct cagttccccc actatcagaa 180  
 taccatacta gtggttctta actagttaaag gctaaagaga accttacttt tcccactatc 240  
 ctcaacaaac taggtctttt actgtattca ccaatgcccc ttgtacatca gtttttcttc 300  
 cctccttctt gcctaactgc ctccctttct tacttctttt tgtttcaaat ctctttctgt 360  
 ttatttcttt tgtgtctgtg gacattcact gggacgtggc atggcagatg tatggacaca 420  
 acggggcagc tcgag 435

<210> 2123

<211> 339

<212> DNA

<213> Rattus sp.

<400> 2123

gaattcggcc aagaggccta ccaaaaaggc ctgctacatc ttagggaagg agagaccctt 60  
 ggtggcgccc cctttagaag agcagctggc cagggctggg acattttaat gaaggctctg 120  
 tattaaagag ttggctcttt ctttccctat ccttccctct atttggaaat gtcctcctct 180  
 aatctccctt aatcccaccc cctccttctg gggcagggga ccaggcagcc tggagaggcc 240  
 aagagaggag ctgcaggatt gggctggggc ctggcaggag acctccacgt agccctgtgc 300  
 ctgggggtgt tgcataattg caggtaagag ccactcgag 339

<210> 2124

<211> 323

<212> DNA

<213> Rattus sp.

<220>

<221> unsure

<222> (114)

<220>

<221> unsure

<222> (120)

<220>

<221> unsure

<222> (191)

<400> 2124

```
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtcnacctgn 120
tcgagtggcg ctgggctgat attgccaaag aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt ncaggctctc ccaccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggctc ggaaatgaaa 300
atgaattcaa aggatggctc gag 323
```

<210> 2125

<211> 320

<212> DNA

<213> Rattus sp.

<400> 2125

```
gaattcggcc aaagaggcct atgactatag ggaaagtcac atgggcatac acaagtgtca 60
aactcggaaa ctgcacgcca tgaacatgta taatttacca tatgtcaaag aagccatttt 120
tgggtttttg ggggtgggtt tgtgtgtttg ttgttttgc ttttaaagtc tgttgcccag 180
caagttggct cagtgggtaa aggtgtttgc tccaaagctt aaagcctggg ctcaatcgcg 240
agaactcatg tggtagaacg ggagagccca ccattacaaa ctgtgctttg actccatat 300
gtctgcccac aacactcgag 320
```

<210> 2126

<211> 316

<212> DNA

<213> Rattus sp.

<400> 2126

```
gaattcggcc aaagaggcct acagccaagg actaactacg accatgagat tggcagtgat 60
ttgcttttgn ctanttggea ttgcctcttc cctcccggtg aaagtgactg attctggcag 120
ctcagaggag aagaagcttt acagcctgca ccagatctct atagccacat ggtcgggtgc 180
tgaccatct cagaagcaga atctccttgc gccacagaat gctgtgtcct ctgaagaaaa 240
ggatgacttt aagcaagaaa ctcttccaag caattccaat gaaagccatg accacatgga 300
cgacagtcat gtcgag 316
```

<210> 2127

<211> 138

<212> DNA

<213> Rattus sp.

<400> 2127

```
gaattcggcc aaagaggcct acgagtggcg atggtgatga tcatgggtggg ggtgattatg 60
atgataatga tgggatgac cacagtgatt gatctgagag gtgctgactg gtgagaggca 120
ggtctagaat tcaatcgg 138
```

<210> 2128

<211> 395

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2128

```

gaattcggcc aaagaggcct actgtcgggc aagtgcatt ctagactgag catggttttc 60
tggaacagat gatcttgat gatcaggaat ccgaggacct ggaccgtcca tcattgagcc 120
accagttttgc tggagcacag acatgggtgt tctagcactt ccaaggggtt ctagcattcc 180
aggtgatcta catcggtcaa gaggagttag tgacatgcta ggacgactaa aacagctcat 240
tctagagcta ctaagtgcta caggagggtg ccgagatcca gaatgattcc ttgttctggt 300
aggagtggca gaacgtgagc gatcagaact acttcagat gcagaccgcc tacggatggc 360
tggaaggagat cttgttaaag atcgcttgcc tcgag

```

&lt;210&gt; 2129

&lt;211&gt; 323

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2129

```

gaattcggcc aaagaggcct agcaaatga agtttgttct gctgctttcc ctcatgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggtgat attgccagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccaccaatg aaaatattat aattaataat ccatcaaggc 240
cttgggtggga aagatatcaa ccaatcagct acaaaatttg cccaaggctc ggaaatgaaa 300
atgaattcaa aggatggctc gag

```

&lt;210&gt; 2130

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2130

```

gaattcggcc aaagaggcct aagaaacgcc tgggccttcg gaaaggagtg attgattagt 60
acttgcaagt ttaqqtgact ttaaggagaa ctaactaatg tatactattg agggaggagg 120
aagagcatta cagagtttcc agcagcagca ggaaagcttt ggttagtttg gaaatggatg 180
atagcattaa aataacagaa gcgcctccag gtctctgaag cttcagtcce ccagctgaaa 240
gccagaaaag actaagccca ctaagccttt tgatcccttt ggaagcaaag aactttcctt 300
ccctgggggtg aagactctcc tcagaagatt tctgtctctt gcctatgita caagaggaat 360
caaaaccaag acagaagagc ctcgag

```

&lt;210&gt; 2131

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2131

```

gaattcggcc aaagaggcct acaaaactaa aaattcttta gccactttct taccgcaagg 60
aacccccatc tcacaaatcc ccatactaat cctcctcgaa actatcagcc tatttatcca 120
accgatagca cttagcgtac gactaacagc aaacattaca gcaggccacc tactaatgca 180
tctaattcga ggagctctcg ag

```

&lt;210&gt; 2132

&lt;211&gt; 386

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2132

```

gaattcggcc aaagaggcct aggagagggt ctcttgacat ccagtgttgc agagtgggggt 60
ggagggtcaa acccagtcac ctccaggatct ttgctgagca gaaggacaca aggagaggcc 120
agtggggcct gactccaggg aaattgatac cattaaacat gtttggtaat tggatcgcta 180
ttagttttat caaagggtgaa taaagtcatt tttgtgattc ttggaatgta aaataatgat 240

```

tataataaaa ttttaaatcga attagaattc ttgccagaga gggaaagga agtgaggaaa 300  
 gccacgggtgc ccgtctccga gtgtcatcga ggtcaggggt ggggtcagc cctactcagg 360  
 agctccctgt tggcagggac ctcgag 386

<210> 2133

<211> 403

<212> DNA

<213> Rattus sp.

<400> 2133

gaatttcggcc aaagaggcct agcgcgcgggt cccaccttcg tcgcgcacac tggctaggcg 60  
 agctcgcagc gctctacgac tctgcggctc ggaactcga ccgcagggt gaacaccccc 120  
 actgtggtat ttaaaaaaag aaagaaagaa agaaagaaga ctttcccttg ctttttcttc 180  
 tttttctctc tttctcgcac ggtttttctac cgtagtggct agcggagccg gcagccttc 240  
 caaggcagcc ctgggttggt tggcatcctc catctggct ataaaagtgt gctgagtga 300  
 gtccagaggg ctgcgcgggt cgtccctcgt gctggcgga gggggtgacg ctgggcagcg 360  
 gctaaggagc gcgccgcagg ctctggcggg ctttcggctc gag 403

<210> 2134

<211> 343

<212> DNA

<213> Rattus sp.

<400> 2134

gaatttcggcc aaagaggcct aaagaaacga atttccctac cagatcggaa gggaagaaaa 60  
 tccttcaagt agaaggggag ggggtgtgtt gtgttttcta tttttttata taagggtctc 120  
 ttgtataacc ttgggttggt tggaccacaca gagatctgcc ggctctctgc ttacagtgg 180  
 gagataaaaa gcacacacca ccatgcacca ctattttggg tgggtgtgggt tacttttgtt 240  
 ttgttttgtt ttgttttgtt ttgagacggg ttctctgtgt agcctctggg gtcttggaac 300  
 ctactctgta gaccaggctg gtcttgaact cagatccctc gag 343

<210> 2135

<211> 150

<212> DNA

<213> Rattus sp.

<400> 2135

gaatttcggcc aaagaggcct acccccact agaaaaattg ttatgggtat tggcatttat 60  
 ttattcatca tatacttatt agggcagcta aaaaagtcta atgcctctgt catgtattac 120  
 cacagaaggc aagcccagca caaactcgag 150

<210> 2136

<211> 344

<212> DNA

<213> Rattus sp.

<400> 2136

gaatttcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaat tttcatgcta 60  
 tttatttat tttttttttt tttttttttt gccaaaagar gagggtgtgt tgtttgaaat 120  
 ctgagacact gtgttccatt tgggtgtgtt gtccaaatgc atctctcttg tccgggaaac 180  
 ctttccccag atgtcacact acatgtcagc tccaggagga tgaactcgaa gtccctacag 240  
 tttcattacg aaaaattcaa qtltcccag ggaacctgg aaacctcag ctgatgtca 300  
 ccaaatgtc gcccttcacc cctgcggggg cctggcagct cgag 344

<210> 2137

<211> 525

<212> DNA

<213> Rattus sp.

<400> 2137

```

gaattcggcc aaagaggcct agcctctttg gccggccaaa gaggcctagg tcgtggggta 60
agaacagtcct gatccttgggt cagtgttgaa ggctggggcg ttttccagct ctataactgt 120
tttgcccttc ctggaaaagct cagtcacttc acaggtgtag tttcccacca cagcctcatg 180
ggatccatt gtcaaaggagg caatgccttt gagcaagtct gagaccgaga tttttgcaact 240
ggtaaaagttt tgttctctag tagtgctatt tttatttcca tcatagatga aaatatacga 300
tttgttcaac ttccacttca caaacatttc atcggtgctt tgggcttcca cattaaggac 360
tttgcaaggg atgaccacag tgatcattga tgacgtgaac tctacagatt tgactttact 420
aagcaggagt tgagctgaac cgcagcagca ggagcccagc aacagcgccg ccgccaaggg 480
ccacatctcc gcgcgcgcgg gggtcgccgc cgcaggtgtc tcgag 525

```

<210> 2138

<211> 198

<212> DNA

<213> Rattus sp.

<400> 2138

```

gaattcggcc aaagaggcct agaactctgg actctgggaa aagcattgac catgagggtg 60
acctgttat ttgctgccct acttgggtat atctactgtc aagaaacgtt tgtggg gat 120
caagtctctg agatcatccc aagtcattga gagcaaatta gaactctgct gcaattggag 180
gttgaagagc atctcgag 198

```

<210> 2139

<211> 311

<212> DNA

<213> Rattus sp.

<400> 2139

```

gaattcggcc aaagaggcct actgccgaat actgattaca tattccttga aatcaaacte 60
ttcagtatag aagcgaagta gtccaaacca aagctctcct agtgattccg tgttctttcc 120
aagtgaaggt aaacgccttt tcagttcttc tgttttatca aagaaaaagg cattccatcc 180
atccaccatt ctctgttgaa tctgctttcc atcaaagatc tcttgacaga ctgggataac 240
tggtaggctt cgttgcctga gaaagtacag caccataagg atataagcat atgaagataa 300
acttctctga g 311

```

<210> 2140

<211> 408

<212> DNA

<213> Rattus sp.

<400> 2140

```

gaattcggcc aaagaggcct accatcatgg cgtaccgcgg ccaggggccag aagggtgcaga 60
aggtgatggt gcagcccatc aaccttatct tcagatactt gcaaaataga tctcgaattc 120
aggtgtggct gtatgaacaa gtgaatatgc ggatagaggg ttgtattatt ggctttgatg 180
agtacatgaa cctcgtatta gatgatgcag aagaatttca tctaaaaaca aagtcagaa 240
aacaactggg tcggatcatg ctcaaaggag ataattattc tctgctccaa agcgtttcca 300
actagcagtg gccaaagcat ggagagggtg agaaggggct caggggctgc tggtagactac 360
atttactcat cctgtttcac ttgtacatcc tcaattgggtt aactcgag 408

```

<210> 2141

<211> 429

<212> DNA

<213> Rattus sp.

<400> 2141

```

gaattcggcc aaagaggcct agaaaagttc tccaattagt ataatgaatg agtatctccc 60
gtacrgagta atatttcate ccccggttag cacaggctaa ggtgaaactg ttccatatgt 120
tcgatagaut agtcctactt tgattttaaa acgaccaaca ttttggccga attgagtggg 180
gggaaaaagt ccgagtcctt gttgcttctt ggttttcaat tctctgtgg taactttact 240
gttaagtttc ttcttttagcc atgattggca aattgtattt tctttaaaaa tcatgctttg 300
tgacacattt caagagggtt agttctactt aatggaggct taagttcttt taagaaactg 360

```



ttacacagga cagaagccca acactaaca agacagggat aaaattgtct cctgggtgtgc 420  
cgtctcgag 429

<210> 2142  
<211> 524  
<212> DNA  
<213> Rattus sp.

<400> 2142  
gaattcggcc aaagaggcct acagctgttc agaaaagaag aacatggaaa aactgtcaac 60  
agtctctctt aatgagcaca cttgaaattt gaatgtcaga atgaacaata ataataacta 120  
ttttaaccac tgtctccata ctcataaaag ataaaagaaa tggaaatttc atggtaagtg 180  
gagtatttgc ctggtctcaa agtgcctcct cacagaatat ttactgatga cacaggggaa 240  
aagagtagct tcatggtagt agatgctaga ggacgtcact tgcacagatg atcagagtaa 300  
acactggtaa tggatggatc aggcctacac catctggtag agcagagctc agcatggctt 360  
acatgctggc cctgccaaaag gtgcgtgacc tggactgagc tgtgaggaag caccctctac 420  
agagcagctg agctggaaac tctcacggtc atcaacatcc agggaagact tagggacttt 480  
tgaaactgat gggctctttt aaaaccccca tggcagcact cgag 524

<210> 2143  
<211> 553  
<212> DNA  
<213> Rattus sp.

<400> 2143  
gaattcggcc aaagaggcct acgctactcc cttgacccag aaaacccccc gaaatcatgc 60  
aagtcgaagag gctcaaacct tctgtttcac tttagaaca cccgggaaac tgcacaggcc 120  
atcaagggtta tgcataatccg caaagccacc aagtatctga aggatgtcac tttaaagaag 180  
cagtgtgtgc cattccggcg gtataatggt ggagtggta ggtgcgcccc ggccaaacag 240  
tggggctgga cacagggagc gtggccaaaa aagagtgtct aatttttctt gcacatgctt 300  
aaaaatgcag agagtaatgc tgaacttaag ggtttggatg tagactctct ggtcatgaa 360  
cacatccagg tgaacuaggc tcctaagatg cgcagacgga cctacagagc tcacggcccg 420  
attaaacctt acatgagctc cccctgccac atcgagatga tctcactga gaaggaaacg 480  
attgttccaa agccagaaga ggagggtgca cagaagaaaa agatatccca gaagaaattg 540  
aagaagctc gag 553

<210> 2144  
<211> 454  
<212> DNA  
<213> Rattus sp.

<400> 2144  
gaattcggcc aaagaggcct agaggaagca gacacagtat cagtgtgtgt gaggggggag 60  
acctgcccc tctctgana gtcagtctac cctccaaagt cttaggttca aatcagagtg 120  
ccacactggg gtaccaccca ggaatgctt agtgctgtg ggcaaggggc aaggttgccg 180  
gaagggtttg aacatctgag aatggttaat aaaattgagc cgattgatgg tgggagagac 240  
ggcgtaattg traagaauga gtatgtacag ctgccaagga cccagtttt gttttcagca 300  
acctaaattg ttgtacctt agaactgtct gtaacttggg cagctcataa atgctgttaa 360  
ctccagcttc tgcactctaa atgtacteta agtnacatgc agatcacac atgtagttaa 420  
aaataataaa aatctgaaaa caaaggagct cgag 454

<210> 2145  
<211> 314  
<212> DNA  
<213> Rattus sp.

<400> 2145  
gaattcggcc aaagaggcct actccadact catcttttaa ttttgaaag ctcagaacac 60  
ctggaccact tctttggaaa actgtctctac cagcaucaag tcatccactg cgatctgtt 120  
gagcatagcc acatctgaqt tttccaagtc taaaacaggac tgcctctgat tttcccaaga 180

agctgcatta ttgtctgtcc atcttactgg tggtcacttt tgtgccaaact gctctgggtt 240  
 tggagatgt gactccactg ggaacgaatc agagttcata caatgcatac tttctttcga 300  
 gctttacact cgag 314

<210> 2146  
 <211> 473  
 <212> DNA  
 <213> Rattus sp.

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 aagagaaagg caaaaaagaa aaagaaagac aggaaattga gaaagaacgg gagagagaaac 180  
 gggagagaga gagagaacgg gagagagaaac gggagcgtga aagagagaaa gacaagaaaa 240  
 gagacagaga agaggatgaa gaagatgcat atgaacgaag aaaacttgaa agaaaactgc 300  
 gagagaaaaga ggtgcgtat caagagcggc ttaagaattg ggaaatcaga gaacgaaaga 360  
 aaactaggga atatgagaag gaggcggaaa gagaagaaga aagaagaaga gaaatggcta 420  
 aagaggctaa acgattaaaa gaattcctag aagattatga cgatgacctc gag 473

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 <213> Rattus sp.

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 <221> unsure  
 <222> (42)

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<210> 2148  
 <211> 334  
 <212> DNA  
 <213> Rattus sp.

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 aacactttat ctgggacgaa tgtgacaaga tgcttgaaca gctcgacatg cgtcgggatg 180  
 tccaggaaat tttctgcatg acccccatg agaagcaggc catgatgttc agtgcctacc 240  
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 <213> Rattus sp.

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 <221> unsure  
 <222> (106)

<220>  
 <221> unsure  
 <222> (130)

<220>  
 <221> unsure

<222> (164)

<220>

<221> unsure

<222> (241)

<220>

<221> unsure

<222> (273)

<220>

<221> unsure

<222> (364)

<400> 2149

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tcaattctgn ttttcattag tcaatgacaa ccccatcat ccantgtgga agagaaatca 180
aagggtgcgt gtgtggaatg agagtaactg atgaaactga ttagtaccag acttaacggc 240
nataatcaat caacacatca cagttagtcag ctncagctta gcagggtgaca gggaaagtaga 300
aggaacactc cttctgtatc agtgactcgc ttctgttttag acactcctac ggaaaagtct 360
caanacactt cttttctatg cactactcat ttagccacca ttccccaaa tggagcaaaa 420
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<212> DNA

<213> Rattus sp.

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tgaggaggca tcacatcagg cagcaacaaac ttgtgtgaaa gctggatgaa ctgggtcagta 180
gcaggaaatg gaggggagca ctgggttagc ctcttagaaa ggtcaacccg tttagaggtga 240
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gtgtacctcc ttaaggaata aaaggcattc agggagtccc caggcaaggg gtgccagaat 360
tagtctctta ggacagctg ggggcagaca aggcgccaaag gcacaattgg tagggggaca 420
agggatagcc tccaagctga gtgccagggc cacaagagga tgcaggaccg cccacgcttt 480
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<212> DNA

<213> Rattus sp.

<400> 2151

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aattttacgc ggccagaaca tccctcccaq ccggcagttt acaatgctgc gaactaaqga 180
tctcatctgg actttgtttt tcttgggaac tgcagtttcc ctgcaggtag atattgttcc 240
cagccaaqga gaaatcagcg ttggagagtc caaattcttc ctgtgtcaag tggcaggaga 300
tgccaaagat aaggacatct cctgggtctc ccccaacggg gagaaactga gcccaaacca 360
gcagcggatc tcagtggtgt ggaacgatga tgactcctct accctcacca tctacaacgc 420
caacattgan gatgccgca ttacaaagtg cgtgggtcacc gctgaagacg gcacccagtc 480
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<211> 295

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&lt;213&gt; Rattus sp.

&lt;400&gt; 2152

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aggcatggga ggccaggagg gtgcctgcat cagggtgacc tatgatggg agaactgcaa 180
atctggggac acagaggatg gtcagcaaat gccctgaaa acaccatcc cagaggcat 240
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&lt;210&gt; 2153

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2153

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gcaacagaca cagccattgc ctccacctcc accacagcct gctcagctct cagtccagca 180
gcaggcagct cagccaactc gctgggtagc acctcggaac cgtggcagtg ggttcgggtca 240
taatgggggt gatggtaatg gaggtagaca gtctcaggcg ggttctggat ctactccttc 300
agagcctcac ccagtgttgg agaaacttcg gtccattaat aactataacc cttaaagattc 360
cgactggaat ctgaaacacg gccgggtttt catcattaag agctactctg aggaagatat 420
ccaccgttcc attaagtata atatctggta caatctcgag 460

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&lt;210&gt; 2154

&lt;211&gt; 365

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2154

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caccatgttt tcagtgaatc tcttcgggac gctgctctct tcctcgaatc ccacaggagc 180
cgagtttagc cctgaggaag atgagcctac cttggaagcg gccgggccac atctccagct 240
tgtgtatgag tctttcttac gtctcttgga atctccagat ttccagccga atatagccaa 300
gaagtacatt gaccagaagt ctgtacttgc tctcttgga cttttcgata gcgaagaccc 360
tcgag 365

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&lt;210&gt; 2155

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2155

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tcaagcgttc ttctaaatcc gagatcacca ctctctgctt attctcgatt ttggttaagt 180
tttttgctt tctctctctt ccagccagct gagaggaaca ctctgcaatt cgatcttcca 240
tgagttctct tctcttgata aatttggaat ctgggtctct gag 283

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&lt;210&gt; 2156

&lt;211&gt; 359

&lt;212&gt; DNA

&lt;213&gt; Rattus sp.

&lt;400&gt; 2156

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ccgtcccccac cttcacaagt cctgcctgcc tctgagccaa agcgccatcc ttccacccta 240  
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 taagaacctca tgggggcctt ttgagaaaag tataaagtac taacatcttt ttattttttt 180  
 atttttttaa gcattgtcta ctttggtcat taagtattgt ctactttggt cattaagtaa 240  
 gtattgtcta ctttggtcat tctgaaaagc atctgcttcc tgaattgtga ctatgtttgc 300  
 tgggttattg ctcttcataa aagagaatta tacctcaata atgcaacgcc cctcgag 357

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 caaatcattt atttgagagc atgggtgaag gggatgaggc gggagtatga ccttaaagta 180  
 gccactggaa gatctgtacc ctgcctgagt gatgaccccc atggctagat attatgtagt 240  
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 tgtctctctc tctttacctc aaatgctctt taaccccaaa ttaattttta cttagactgt 180  
 ggcagggtatt ttttaacctt ttctctctca aaggctatta gaatacaaaag cacattgctc 240  
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 gag 303

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<210> 2161  
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<400> 2161

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<211> 8

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<400> 2162

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<210> 2163

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<210> 2164

<211> 15

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<213> Artificial Sequence

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<223> linker sequence

<400> 2165

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24

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US99/24205

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) C07K 14/435, C12N 15/12 US CL. 530/350, 536/23.5 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 530/350, 536/23.5 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EMBL5, Genbank, USPAT issued, EMBLest58, Genbankest111 search terms: sequences corresponding to SEQ ID NO: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
X	WO 98/42738 A1 (HUMAN GENOME SCIENCES, INC.) 01 October 1998, pages 207-208, positions 402-730 of SEQ ID NO: 54 relevant to positions 21-350 of instant SEQ ID NO: 993.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information, (Bethesda, MD), Accession number C06368, TAKEDA, J., 'Direct Submission,' 11 October 1996, positions 16-372 relevant to positions 29-385 of instant SEQ ID NO: 1416.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD), Accession Number AA491109, NCI-CGAP, 'National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index,' 15 August 1997, positions 1-136 relevant to positions 159-24 of instant SEQ ID NO: 1333.	4, 8
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex		
* Special categories of cited documents	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
*E* earlier document published on or after the international filing date	*Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document, combined with one or more other such documents, such combination being obvious to a person skilled in the art	
*L* document which may throw doubts on priority claim(s) in which is cited to establish the publication date of another citation or other special reason (as specified)	*G* document member of the same patent family	
*O* document referring to an oral disclosure, use, exhibition or other means		
*P* document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search	Date of mailing of the international search report	
11 FEBRUARY 2000	29 FEB 2000	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No (703) 305-3230	Authorized officer JOHN S. BRUSCA Telephone No (703) 308-0196	

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US99/24205

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim ?
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD) Accession Number AA442056. HILLIER et al. 'WashU-Merck EST Project 1997,' 02 June 1997, positions 60-226 relevant to positions 21-187 of instant SEQ ID NO: 1192.	4, 8



# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US99/24205

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-8

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest  
☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US99/24205

### BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack Unity of Invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows:

The nucleic acids of SEQ ID NO: 1-2159 and the corresponding polypeptides encoded by the nucleic acids of SEQ ID NO 1-2159.

The claims are deemed to correspond to the species listed above in the following manner:

All claims are drawn to the species indicated above.

The following claims are generic: 1-8

The species listed above do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Each species is drawn to a different nucleic acid or corresponding encoded polypeptide. There is no disclosed relationship between the sequences of each individual species

Restriktion to a single species has been waived sua sponte and the Applicants are permitted to have ten species examined without payment of additional fees. The Applicants representative Suzanne Sprunger elected telephonically on 01 February 2000 to have the sequences corresponding to SEQ ID NOS: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416 searched.